



**Amoco Production Company**

Post Office Box 17675  
Salt Lake City, Utah 84117  
801-272-9253

T. G. Doss  
District Superintendent

August 5, 1983

Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

File: JEK-220-420/WF

Application for Permit to Drill, Anschutz Ranch East  
W20-04, located in Section 20, T4N, R8E, Summit County,  
Utah.

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Attached is our Application for Permit to Drill the  
subject well. If you require additional information please  
contact Marge Conta of the Evanston office (307) 789-1700.

Your early approval is appreciated.

T. G. Doss  
District Superintendent

MC/

Attachment

RECEIVED  
AUG 10 1983

DIVISION OF  
OIL, GAS & MINING



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

Anschutz Ranch East

8. Farm or Lease Name

Anschutz Ranch East

9. Well No.

W 20-04

10. Field and Pool, or Wildcat

Anschutz Ranch East

11. Sec., T., R., M., or Blk.  
and Survey or Area

20, 4N, 8E

12. County or Parrish

Summit

13. State

Utah

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil  
Well ☐Gas  
Well ☒

Other

Single  
Zone ☐Multiple  
Zone ☐

2. Name of Operator

AMOCO PRODUCTION COMPANY

3. Address of Operator

P.O. BOX 829, EVANSTON, WYOMING 82930

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface

401' FWL 706' FNL

At proposed prod. zone

1100' FWL 1100' FNL

14. Distance in miles and direction from nearest town or post office

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. line, if any)

16. No. of acres in lease

17. No. of acres assigned  
to this well18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

19. Proposed depth

14,575'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

7525'

22. Approx. date work will start\*

When approved

23.

## PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
As required	20-24"	94#	40-80'	Cement to surface
17 1/2"	13 3/8"	68 61 72#	5300'	Cement to surface
12 1/4"	9 5/8"			
	9 7/8"	53.5 47 62.8#	11880'	*
8 1/2"	7"	32#	14100'	*

\*To be determined by District after logging. Cement across all pay zones and salt sections.

PROPOSE TO DEVELOP NUGGET RESERVES

(See attachments)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE:

BY:

AUG 10 1983

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

W R Halverson

Title District Drilling Supt.

Date 8/5/83

(This space for Federal or State office use)

Permit No.

Approval Date

Approved by

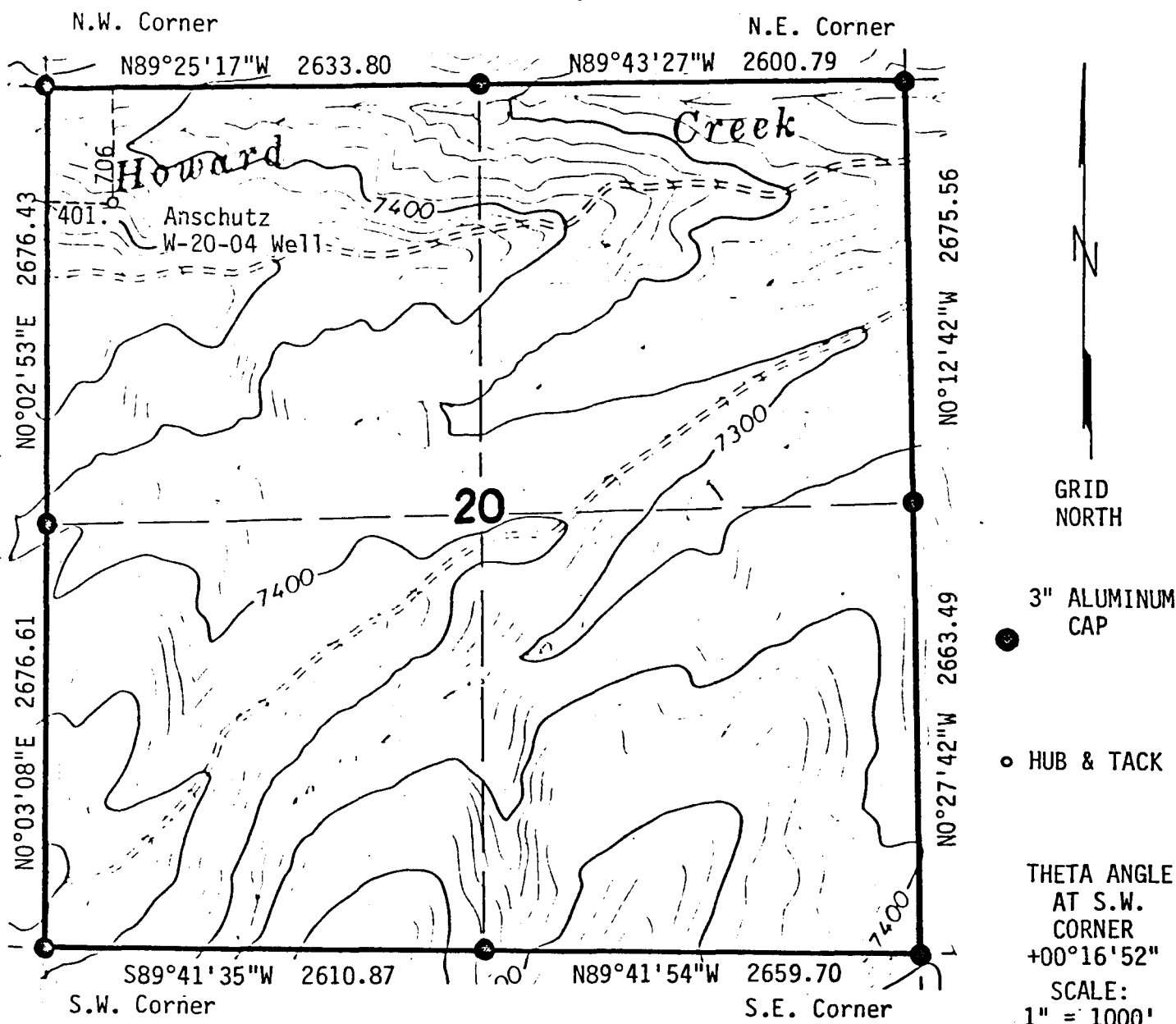
Title

Date

Conditions of approval, if any:



Section 20, Township 4 North, Range 8 East



I, John A. Proffit of Evanston, Wyoming, do hereby certify that in accordance with a request from Jon Jensen of Evanston, Wyo. for Amoco Production Co., that a survey was made under my direction and authority on the 27 day of July, 19 83, for the Location and Elevation of the Anschutz W-20-04, as shown on the above map. The wellsite is located in the NW $\frac{1}{4}$  NW $\frac{1}{4}$ , of Section 20, T.4 N., R.8 E., of the Salt Lake Base & Meridian, Summit County, Utah.

Elevation is 7471.0 feet Top of Hub.

BASIS OF BEARINGS AND ELEVATION DATUM

Elevation is Mean Sea Level based upon a 3-dimensional control network tied to U.S.G.S. & U.S.C. & G.S. Bench Marks and horizontal control stations. Bearings are based upon Utah North Zone State Plane Coordinates as determined by actual field survey. All bearings are Utah North Zone Grid Azimuth expressed by quadrant, as computed from the grid inverse between these positions. Horizontal distances shown are computed at the surface, based upon the mean elevation and scale factor of each line.

Reference Point \_\_\_\_\_

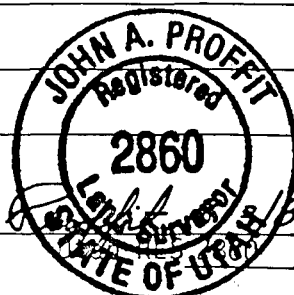
Reference Point \_\_\_\_\_

Reference Point \_\_\_\_\_

Reference Point \_\_\_\_\_

Point Number 770  
Book 257, Page 77  
Date 8-2-83  
Job No. 83-10-31

John A. Proffit





ATTACHMENT TO FORM OGC-1a  
ANSCHUTZ RANCH EAST W20-04

- 1) Geologic name of the surface formation: Tertiary
- 2) Estimated tops of geological markers:

Aspen	5,225
Gannet	7,025
Preuss	10,025
Salt	
Twin Creek	11,775
* Nugget	13,525
Ankareh	14,575
Total depth	14,575

- 3) Anticipated depths to encounter water, oil, gas or other mineral-bearing formations: \*

- 4) Casing Program: See Form OGC-1a, Item 23

- 5) Operators minimum specifications for pressure control equipment are explained on the attached schematic diagram. After running surface casing and prior to drilling out, the BOP and other pressure equipment will be tested to the full working pressure rating as shown on the attached diagram. BOPs will be tested every 30 day interval and after every string of casing is run. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Daily Drilling Report.

- 6) Mud Program:

0 - 5300'	Spud Mud	Minimum properties to maintain a stable wellbore. Sweeps as necessary for adequate hole cleaning.
5300 - 11880'	Oil Mud	"
11880 - 14100'	"	Properties as needed to minimize differential sticking.

- 7) Auxiliary Equipment:

Kelly Cock; no bit floats; sub with full opening valve - 3' choke manifold with remote control choke; monitor system on pit level, audio and visual; mudlogger (2-man type) w/ chromatograph from salt top to total depth.

- 8) Logging Program:

DIL-GR	Base salt to total depth
FDC-CNL-GR-Cal	Base salt to total depth
HDT Cyberdip	Base of surface casing to TD
BHC Sonic-GR-Cal	Base of surface casing to TD
Gyro Directional	Surface to total depth

Coring Program: None Planned

- 9) No abnormal pressures or temperatures are anticipated.
- 10) Anticipated starting will be when approved.

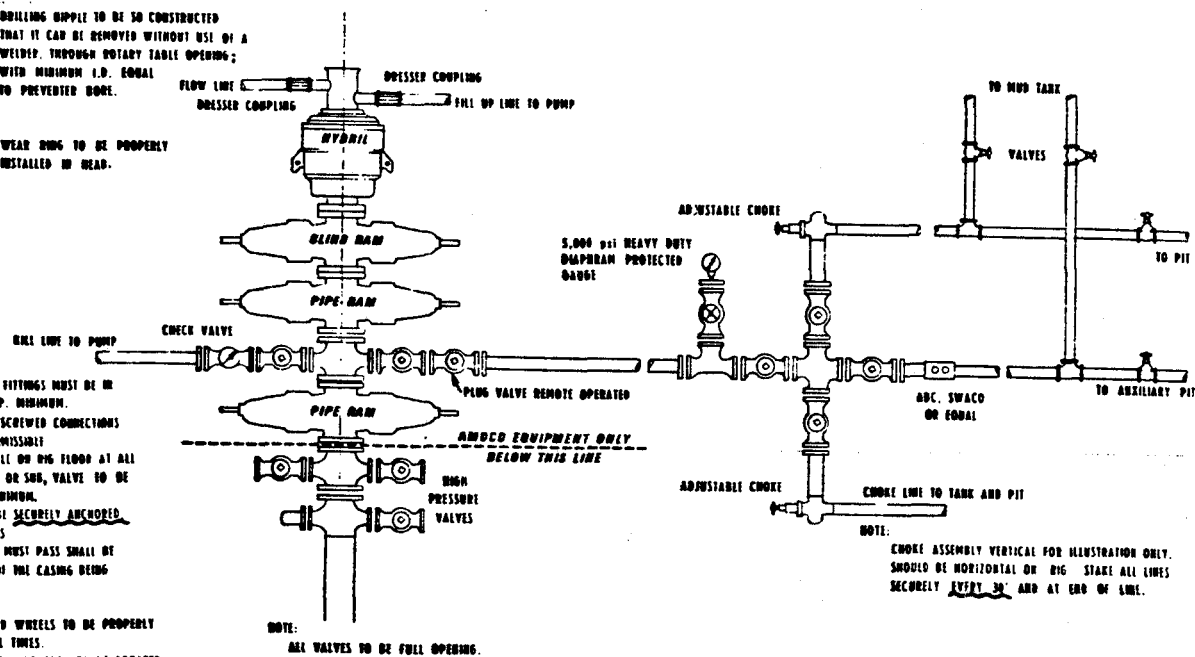


**EXHIBIT BOP-6000**  
**MINIMUM BLOW-OUT PREVENTER REQUIREMENTS**  
**5,000 psi W.P.**

**NOTE:**

1 DRILLING GYPSE TO BE SO CONSTRUCTED THAT IT CAN BE REMOVED WITHOUT USE OF A WELDER, THROUGH ROTARY TABLE OPENING, WITH MINIMUM I.D. EQUAL TO PREVENTER BORE.

2 WEAR RING TO BE PROPERLY INSTALLED IN HEAD.



**NOTE:**

- 1 BLOW OUT PREVENTERS AND ALL FITTINGS MUST BE IN GOOD CONDITION 5,000 psi W.P. MINIMUM.
- 2 ALL FITTINGS TO BE FLANGED SCREWED CONNECTIONS DOWNSTREAM FROM CHOKES PERMISSIBLE.
- 3 SAFETY VALVE MUST BE AVAILABLE ON RIG FLOOD AT ALL TIMES WITH PROPER CONNECTION OR SUB, VALVE TO BE FULL BORE 5,000 psi W.P. MINIMUM.
- 4 ALL CHOKES AND KILL LINES TO BE SECURELY ANCHORED, ESPECIALLY ENDS OF CHOKES LINES.
- 5 EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH.
- 6 KELLY COCK ON KELLY.
- 7 EXTENSION WRENCHES AND HAND WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES.
- 8 RIG FLOOD BLOW-OUT PREVENTER CONTROL TO BE LOCATED AS CLOSE TO DRILLERS POSITION AS FEASIBLE.
- 9 BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE 50 GALLON ACCUMULATOR, TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION, AND MEET ALL NACE SPECIFICATIONS.

**NOTE:**

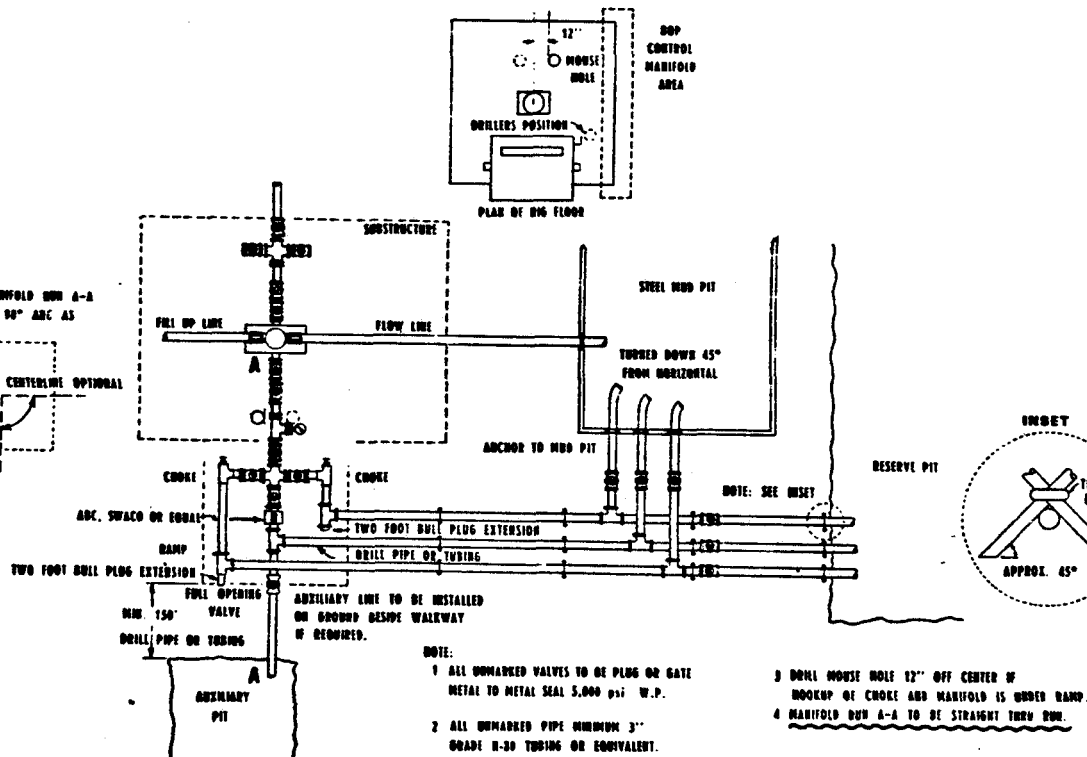
ALL VALVES TO BE FULL OPENING.

**NOTE:**

CHOKES ASSEMBLY VERTICAL FOR ILLUSTRATION ONLY. SHOULD BE HORIZONTAL OR BIG STAKE ALL LINES SECURELY TYPED 30' AND AT END OF LINE.

**NOTE:**

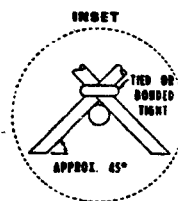
DIRECTION OF MANIFOLD RUN A-A OPTIONAL WITHIN 90° ARC AS SHOWN BELOW.



**NOTE:**

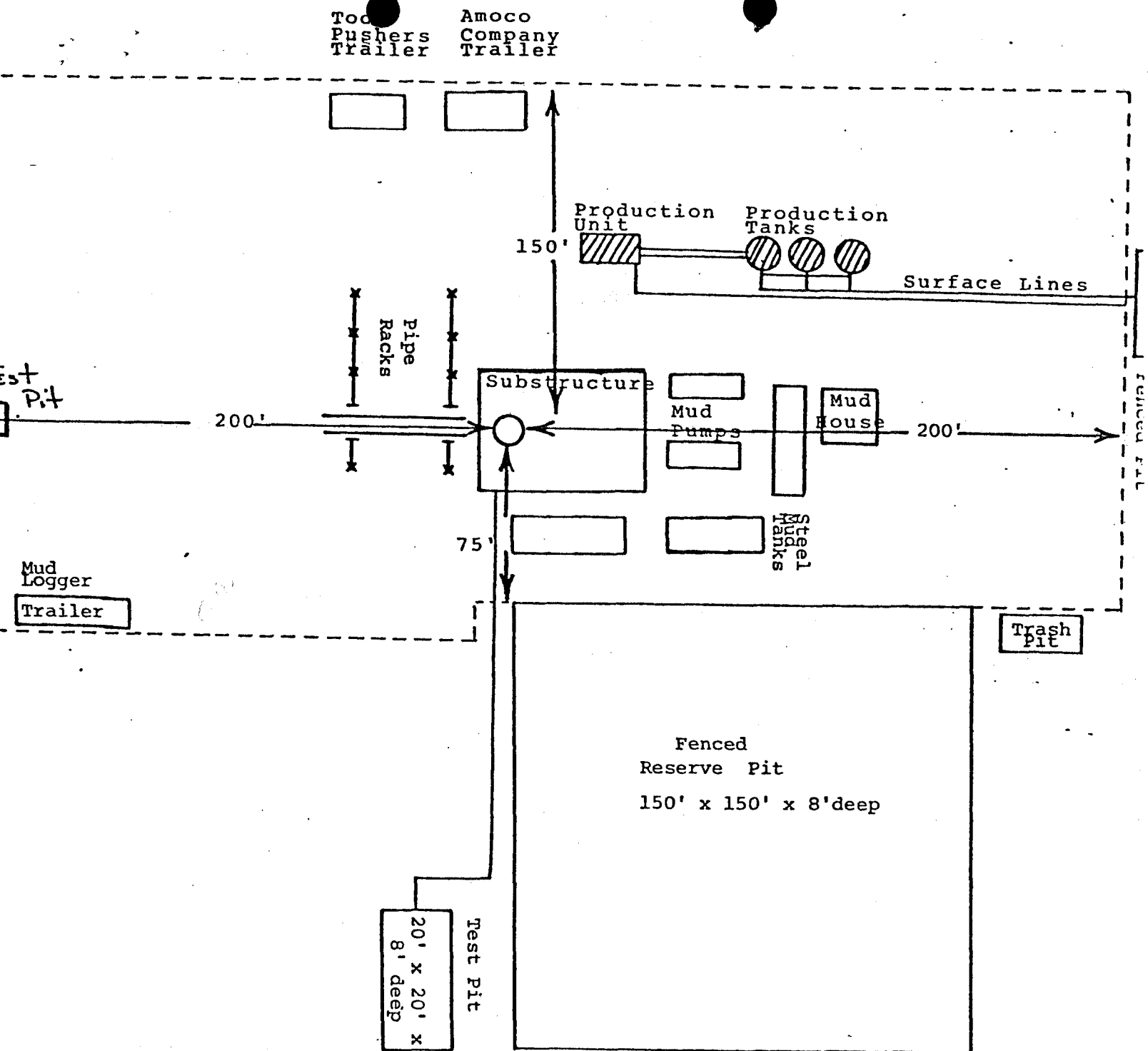
- 1 ALL UNWELDED VALVES TO BE PLUG OR GATE METAL TO METAL SEAL 5,000 psi W.P.
- 2 ALL UNWELDED PIPE MINIMUM 3" GRADE N-80 TUBING OR EQUIVALENT.

- 3 DRILL MOUSE HOLE 12" OFF CENTER IF HOOKUP OF CHOKES AND MANIFOLD IS UNDER RAMP.
- 4 MANIFOLD RUN A-A TO BE STRAIGHT THRU RUN.



**Amoco Production Company**  
**STANDARD ASSEMBLY FOR FLUID**  
**OPERATED TRIPLE BLOW-OUT PREVENTER**  
**5,000 psi W.P.**





⊗ = Shows permanent production equipment to be installed after drilling rig has moved out.

--- Dotted lines indicated perimeter of leveled location.

The fenced pit used for production will be covered if any fluid is present. The drilling and production pads will be constructed with dozers and graders using native material.

TYPICAL  
LOCATION  
LAYOUT

AMOCO PRODUCTION COMPANY  
P.O. BOX 829  
EVANSTON, WYOMING 82930

EXHIBIT "D"



OPERATOR Amoco DATE 8/10/83

WELL NAME Anschutz Ranch East W 20-04

SEC NW 20 T 4N R 8E COUNTY Summit  
BBL: NW 20

43-043-30238

API NUMBER

Free

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

Unit Well

✓ CHIEF PETROLEUM ENGINEER REVIEW:

8/10/83 Unit

APPROVAL LETTER:

SPACING:

☒

A-3

Anschutz Ranch E.

UNIT

☐

c-3-a

CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

Water



☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER \_\_\_\_\_

☒ UNIT Unsubcity Ranch East

☐ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.



August 10, 1983

Amoco Production Company  
P. O. Box 829  
Evanston, Wyoming 82930

RE: Well No. Anschutz Ranch East # W 20-04  
(surf & BHL) 1W NW, Sec. 20, T. 4N, R. 8E.  
(surf) 706' FNL, 401' FNL  
(BHL) 1100' FNL, 1100' FNL  
Summit County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (801-533-6071) approval for use of water at the drilling site shall be submitted to this office, otherwise authority to drill this well is void.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

Enclosed please find Form CGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-043-30238.

Sincerely,



R. J. Firth  
Chief Petroleum Engineer

RJF/cf

Enclosures



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: AMOCO

WELL NAME: Anschutz Ranch East W-20-04

SECTION NWNW 20 TOWNSHIP 4N RANGE 8E COUNTY SUMMIT

DRILLING CONTRACTOR NORTON

RIG # 9

SPUDDED: DATE 10-27-83

TIME 11:30 AM

How Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY John Aslakson

TELEPHONE # 307-789-1722 Ext. 2147

DATE 10-27-83 SIGNED Norm



**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> <input type="checkbox"/>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> Fee
<b>2. NAME OF OPERATOR</b> Amoco Production Company		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>
<b>3. ADDRESS OF OPERATOR</b> P.O. Box 829, Evanston, WY 82930		<b>7. UNIT AGREEMENT NAME</b> Anschutz Ranch East
<b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*          See also space 17 below.)</b> At surface  401' FWL 706' FNL		<b>8. FARM OR LEASE NAME</b> Anschutz Ranch East
<b>14. PERMIT NO.</b> 43-043-30238		<b>9. WELL NO.</b> W20-04
<b>15. ELEVATIONS (Show whether DF, RT, OR, etc.)</b> 7525'		<b>10. FIELD AND POOL, OR WILDCAT</b> Anschutz Ranch East
<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 20, T4N, R8E
<b>17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*</b>		<b>12. COUNTY OR PARISH</b> Summit
<b>18. I hereby certify that the foregoing is true and correct</b> SIGNED <u><i>James D. Smith</i></u> TITLE <u>Staff Admin. Analyst (SG)</u> DATE <u>11/29/83</u> (This space for Federal or State office use)		<b>13. STATE</b> Utah

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Report of Operations	

(NOTE: Report results of multiple completion on Well  
 Completion or Recompletion Report and Log form.)

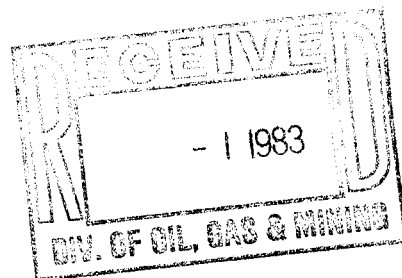
Date: 11-13-83

✓ Spud: 10-27-83

Drilling Contractor: Norton 9

Total Depth: 5346

Drilling with 17-1/2" bit



18. I hereby certify that the foregoing is true and correct

SIGNED

*James D. Smith*

TITLE Staff Admin. Analyst (SG)

DATE

11/29/83

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Amoco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 829, Evanston, Wyoming 82930		7. UNIT AGREEMENT NAME Anschutz Ranch East
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 401' FWL 706' FNL		8. FARM OR LEASE NAME Anschutz Ranch East
14. PERMIT NO. 43-043-30238		9. WELL NO. W 20-04
15. ELEVATIONS (Show whether OF, AT, OR, etc.) 7525'		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 20, 4N, 8E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☐

ABANDON\*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other)

☐☐

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☐

ABANDONMENT\*

☐

(Other)

Spud

☐

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

To inform you that the above described well was spud on 10/27/83.

18. I hereby certify that the foregoing is true and correct

SIGNED

*[Signature]*

TITLE Staff Admint. Anal. (SG)

DATE

11/2/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

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		12. COUNTY OR PARISH Summit
		13. STATE Utah

16.

## Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	Report of Operations	<input checked="" type="checkbox"/>

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Date: 12-29-83

✓ Spud 10-27-83

Drilling Contractor Norton 9

Total Depth to date: 9735'

Drilling ahead with 12.25" bit

RECEIVED  
JAN 05 1984DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

*Larry F. Smith*

TITLE Staff Admin. Analyst (SG)

DATE

12-30-83

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

BLOW OUT PREVENTION TEST

NAME OF COMPANY: AMOCO PRODUCTION

WELL NAME: AREU W-20-04

SECTION: 20 TOWNSHIP 4N RANGE 8E COUNTY: SUMMIT

DRILLING CONTRACTOR: \_\_\_\_\_

RIG # \_\_\_\_\_

BOP TEST: DATE: 1-31-84

TIME: MORNING

DRILLING: \_\_\_\_\_

CASING: \_\_\_\_\_

H<sub>2</sub>S: \_\_\_\_\_

MONTHLY TRIP CHECK. \_\_\_\_\_

UPPER KELLEY COCK MALFUNCTIONED SENT FOR REPAIR, WILL NOTIFY WHEN REPAIRED. \_\_\_\_\_

REPORTED BY: TRACY MOSNESS

TELEPHONE NO. \_\_\_\_\_

DATE: 2-1-84 SIGNED CJ



**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT **TRIPPLICATE\***  
 (Other instructions on  
 reverse side)

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<b>15. ELEVATIONS (Show whether DF, RT, OR, etc.)</b> 7525'		<b>10. FIELD AND POOL, OR WILDCAT</b> Anschutz Ranch East
<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>		<b>11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA</b> Sec. 20 T4N R8E
<b>17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*</b>  Date 01/28/84  Spud 10/27/83  Drilling contractor Norton 9  Total Depth 11,276'  Drilling ahead with 12.25" bit		<b>12. COUNTY OR PARISH</b> Summit
<b>18. I hereby certify that the foregoing is true and correct</b> SIGNED <u><i>Lang A. Smith</i></u> TITLE <u>Staff Admin. Analyst (SG)</u> DATE <u>02-08-84</u> (This space for Federal or State office use)		<b>13. STATE</b> Utah

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Report of Operation</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

18. I hereby certify that the foregoing is true and correct

SIGNED *Lang A. Smith*  
 (This space for Federal or State office use)

TITLE Staff Admin. Analyst (SG)

DATE 02-08-84

APPROVED BY \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side



# DOUBLE "D" ENTERPRISES

Utah

B.O.P. Test Report

B.O.P. TEST PERFORMED ON (DATE) 3-5-84

OIL CO.: Amoco

WELL NAME & NUMBER ARE W-20-04

SECTION 20

TOWNSHIP 4-N

RANGE 8-E

COUNTY Summitt, Utah

DRILLING CONTRACTOR Norton #9

INVOICES BILLED FROM: DOUBLE "D" ENTERPRISES, INC.  
213 Pine Street - Box 560  
Shoshoni, Wyoming 82649  
Phone: (307) 876-2308 or (307) 876-2234

TESTED BY: DOUBLE "D" ENTERPRISES, INC.  
712 Morse Lee Street  
Evanston, Wyoming 82930  
Phone: (307) 789-9213 or (307) 789-9214

OIL CO. SITE REPRESENTATIVE Tracy Mosness

RIG TOOL PUSHER Rick

TESTED OUT OF Evanston

NOTIFIED PRIOR TO TEST:

COPIES OF THIS TEST REPORT SENT COPIES TO: State of Utah  
Amoco Site Rep

ORIGINAL CHART & TEST REPORT ON FILE AT: Evanston OFFICE



Company

Amoco

Lease and

Well Name #

Date of test

Rig #

T # Time

3<sup>30</sup> PM

Arrived on location rig tripping out of hole during this time tested

#1

1st 3 manifold valves 3000 Bled off worked valves 3000 Bled off worked valve next to manual choke 3000 15 min OK

#2

Dart 3000 15 min OK Needs repair of set PIN

#3

Super choke 3000 15 min OK casing pressure gauge on panel read FINE HAD TO pump choke close manually So called Swaco they repaired it (water in Regulator) OK

7<sup>30</sup> PM

Rig up retriever retrieve wear ring try to pump celler of INVERT stem got won't get it Called water truck to pump rig down retriever rig up plug RUN & set plug BACK joint out to test BLINDS Fill stack

#4

8<sup>30</sup> - 8<sup>45</sup>

BLINDS & check & 1st 3 Manifold valves 3000 15 min OK

8<sup>45</sup> - 9<sup>15</sup>

RUN joint screw into Plug Put IF to IF circulation SUB on top of joint & TIW on top of it & Kelly up into it



Company

Lease and

Well Name #

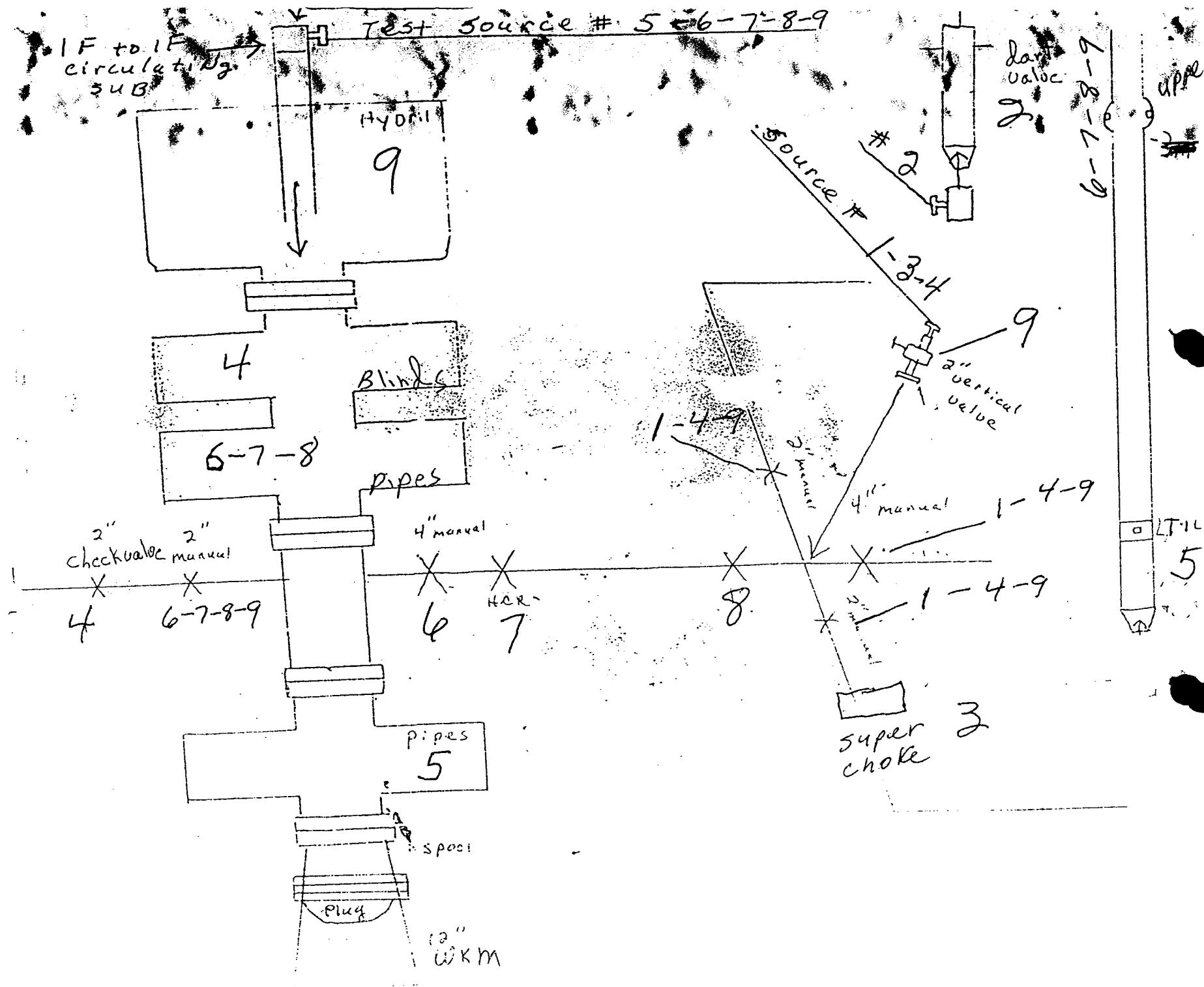
Date of test

Rig #

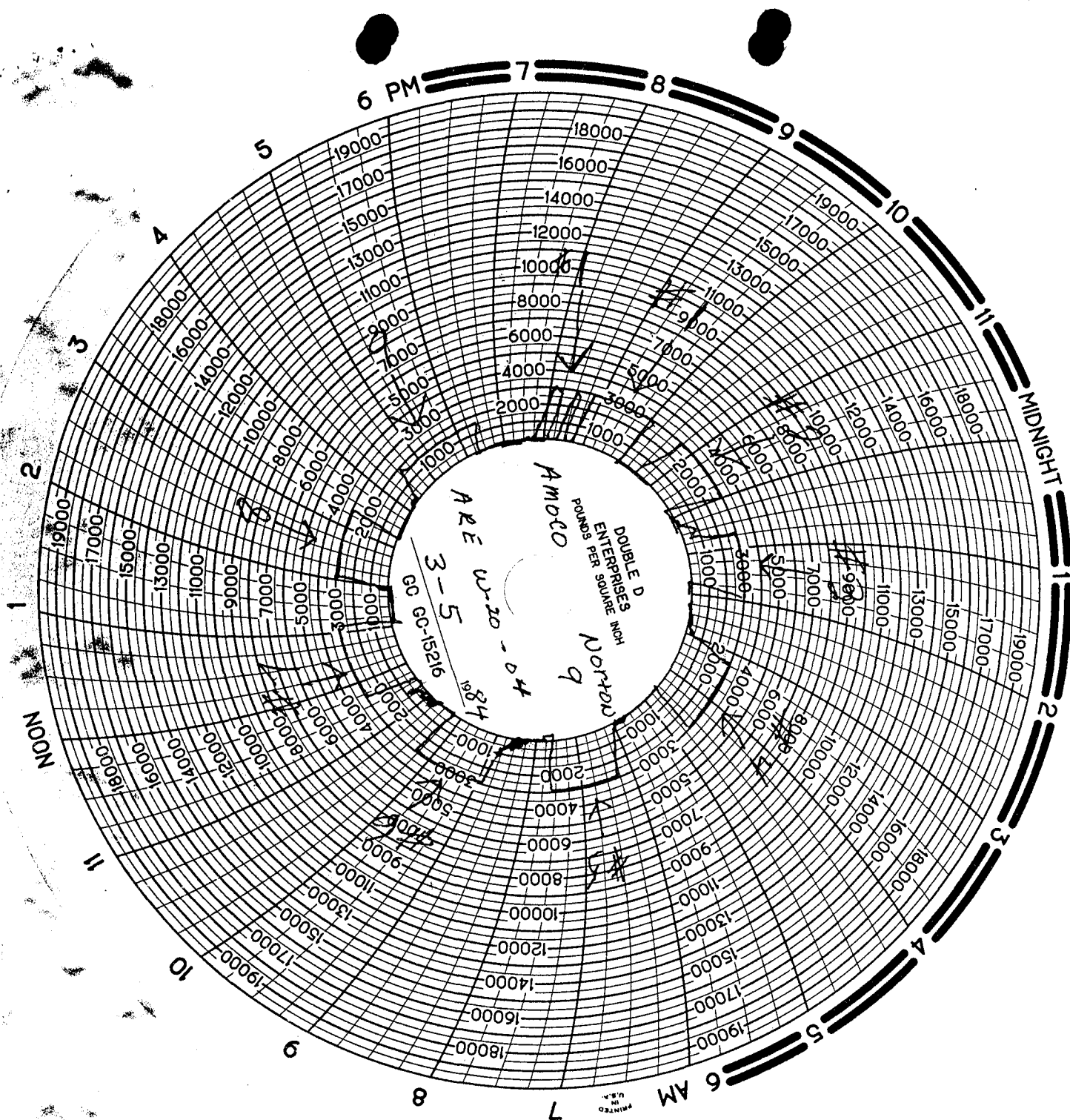
Test # Time

5	915 - 930	lower pipes & TiW 3000 15 min OK
	930 - 940	close upper pipes open lowers
6	940 - 955	Upper pipes 1st manual ON kill line 1st manual ON choke line 3000 15 min OK
7	955 - 1030	Test attempts on HCR work HCR Test HCR upper pipes 1st manual ON kill line & upper Kelly 3000 15 min OK
8	1030 - 1045	Test upper pipes upper Kelly 1st manual ON kill line 2nd manual ON choke line 3000 15 min OK
	1045 - 1100	close Hydriil open pipes
9	1100 - 1115	Hydriil upper Kelly 1st manual ON kill line & manifold riser valve 1500 15 min OK
	1115 - 1150	BREAK OF IF to IF sub TiW & Kelly change saver sub out on Kelly Kelly BACK Pull plug rig DOWN plug rig up retriever RUN wear ring
	1150 - 1200 AM	Water Hauler sucked Invert out of cellar so we could get to tie down pins - slow-go set wear ring closed casing HEAD valve Align valves correctly spool up & load truck & rig DOWN retriever











**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT **APPLICATE\***  
 (Other applications on  
 reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> <input type="checkbox"/> <b>2. NAME OF OPERATOR</b> Amoco Production Company <b>3. ADDRESS OF OPERATOR</b> P.O. Box 829 Evanston, WY 82930 <b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <div style="text-align: center; margin-top: 10px;">401' FWL 706' FNL</div>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> Fee <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>  <b>7. UNIT AGREEMENT NAME</b> Anschutz Ranch East <b>8. FARM OR LEASE NAME</b> Anschutz Ranch East <b>9. WELL NO.</b> W20-04 <b>10. FIELD AND POOL, OR WILDCAT</b> Anschutz Ranch East <b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 20, T4N, R8E <b>12. COUNTY OR PARISH</b> Summit <b>13. STATE</b> Utah
<b>14. PERMIT NO.</b> 43-043-30238	<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 7525'	

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Report of Operations</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Date: 03/26/84

Spud Date: 10/27/83

Drilling Contractor: Norton 9

Drilling ahead: 9.875" bit

Total Depth: 11,428'

RECEIVED

MAR 30 1984

DIVISION OF  
OIL, GAS & MINING

**18. I hereby certify that the foregoing is true and correct**

SIGNED

*J. D. Daye*

TITLE Administrative Supervisor

DATE

3/28/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



Utah

# DOUBLE "D" ENTERPRISES

RECEIVED

B.O.P. Test Report

MAY 11 1984

DIVISION OF OIL  
GAS & MINING

B.O.P. TEST PERFORMED ON (DATE) 5-7-84

OIL CO.: Amoco

WELL NAME & NUMBER AREU W/20-04

SECTION 20

TOWNSHIP 4-N

RANGE 8-E

COUNTY SUMMITT UTAH

DRILLING CONTRACTOR NORTON 9

INVOICES BILLED FROM: **DOUBLE "D" ENTERPRISES, INC.**  
213 Pine Street - Box 560  
Shoshoni, Wyoming 82649  
Phone: (307) 876-2308 or (307) 876-2234

TESTED BY: **DOUBLE "D" ENTERPRISES, INC.**  
712 Morse Lee Street  
Evanston, Wyoming 82930  
Phone: (307) 789-9213 or (307) 789-9214

OIL CO. SITE REPRESENTATIVE TRACY

RIG TOOL PUSHER

TESTED OUT OF EVANSTON

NOTIFIED PRIOR TO TEST:

COPIES OF THIS TEST REPORT SENT COPIES TO: SITE REP

STATE

BIM

ORIGINAL CHART & TEST REPORT ON FILE AT: EVANSTON OFFICE



Company

Lease and Well Name #

Date of test

Rig #

AMOCO

AREU W/20-04

5-7-84

NORTON #9

test #

Time

12:00

RIG UP TRUCK, P.U. FLOOR PLATES, TONGS, REPAIR  
RODMEY LINES, SET PLUG, FILL STACK, OPEN HCR, CLOSE

1:20

BLINDS

①

1:20 - 1:35

3000 O.K. (SEE DIAGRAM F/ITEMS TESTED)

1:35 - 2:00

MU. DART &amp; STAB - FILL PIPE CLOSE PIPE RAMS

②

2:00 - 2:15

3000

2:15 - 2:30

L.D. DART &amp; P.U. TOP SUB

③

2:30 - 2:45

3000 O.K.

④

2:45 - 3:00

3000 O.K.

⑤

3:05 - 3:20

3000 O.K.

⑥

3:35 - 3:40

3000 O.K.

⑦

3:50 - 4:05

1500 O.K.

4:05 - 5:15

LAYDOWN PLUG - NO WEAR RING, P.U. REILLY, L.D. P.U. LINES

⑧

5:15 - 5:30

3000 O.K.

⑨

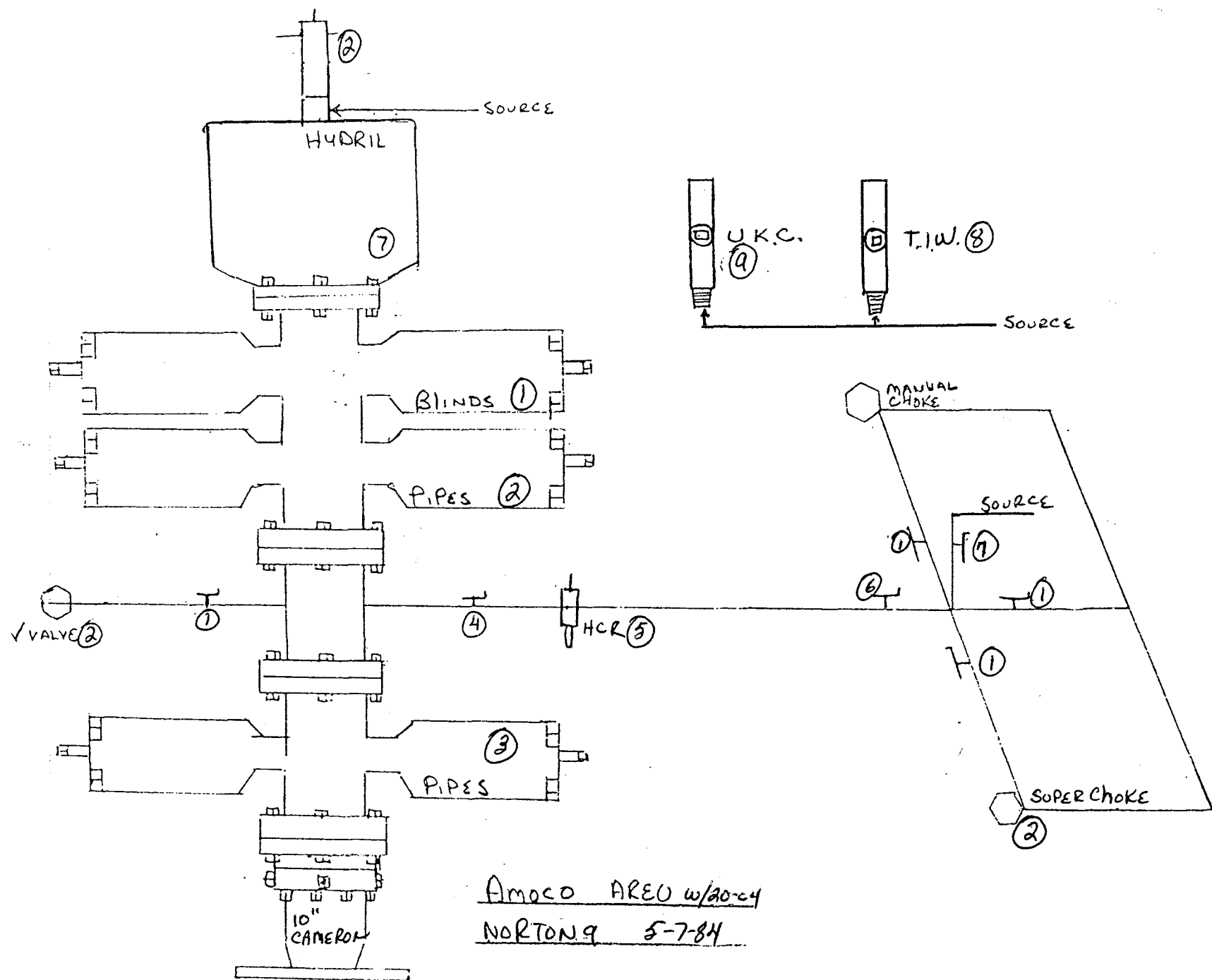
5:35 - 5:50

3000 O.K.

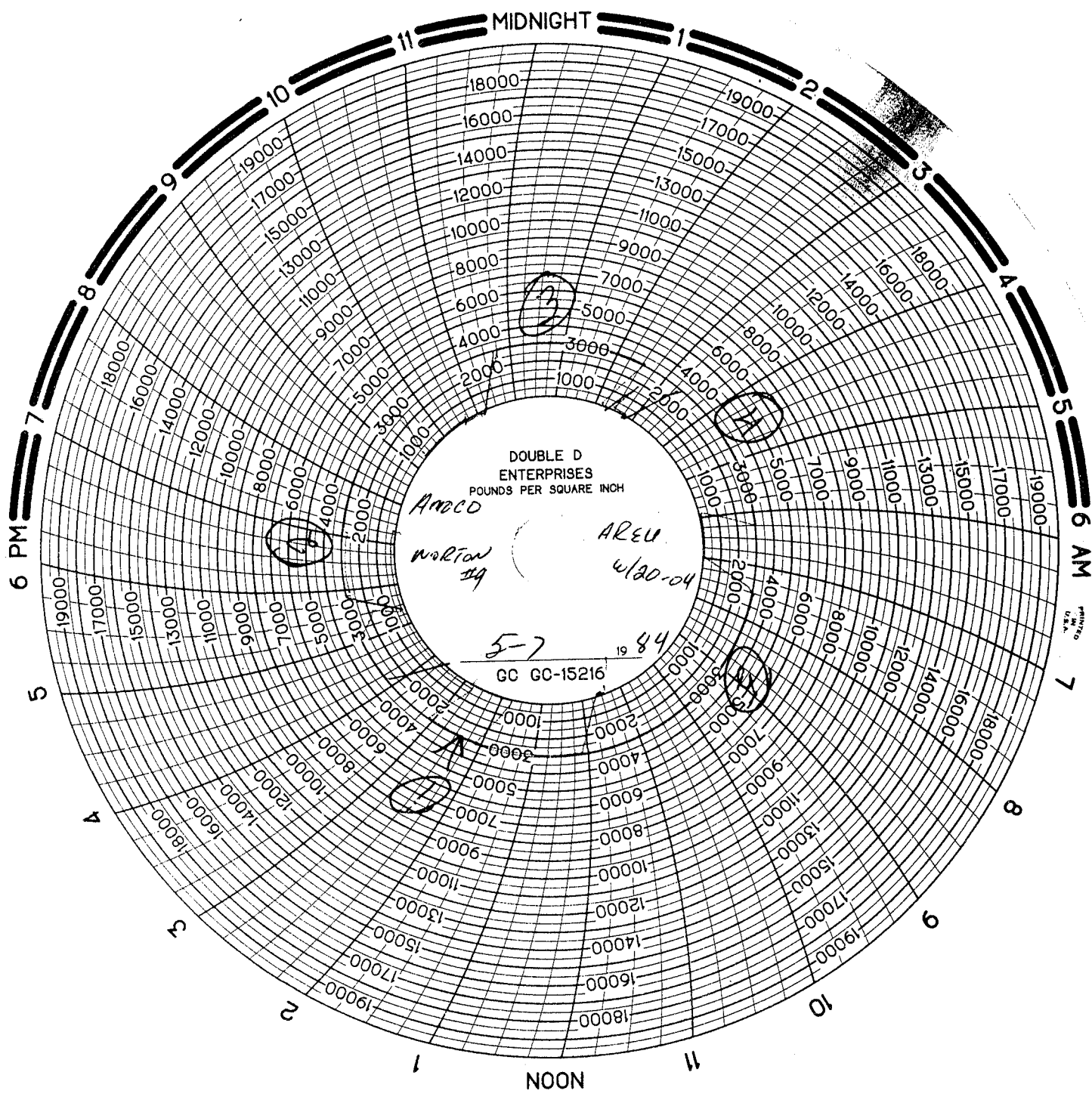
5:50 -

LOAD OUT TOOLS, SHUT CASING VALVE, SPOOL UP, MAKE OUT  
TICKET, TRAVEL TO SHOP

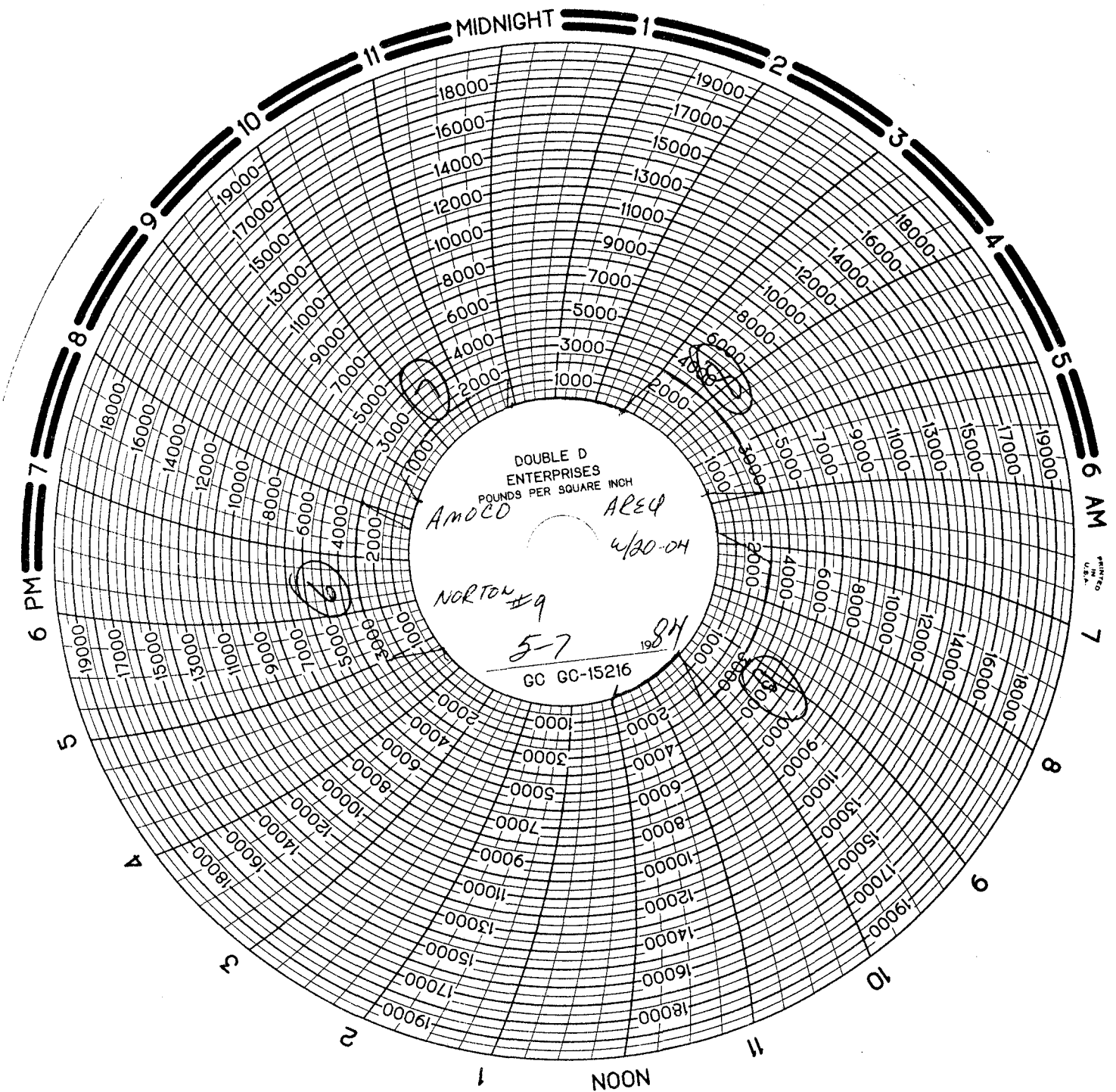














DOUBLE "D" ENTERPRISES

RECEIVED

B.O.P. Test Report

MAY 11 1984

DIVISION OF OIL  
GAS & MINING

B.O.P. TEST PERFORMED ON (DATE) 4-30-84

OIL CO.: Amoco

WELL NAME & NUMBER AREU 62/30-04

SECTION 20

TOWNSHIP 4N

RANGE 8E

COUNTY Summit

DRILLING CONTRACTOR NORTON #9

INVOICES BILLED FROM: **DOUBLE "D" ENTERPRISES, INC.**  
213 Pine Street - Box 560  
Shoshoni, Wyoming 82649  
Phone: (307) 876-2308 or (307) 876-2234

TESTED BY: **DOUBLE "D" ENTERPRISES, INC.**  
712 Morse Lee Street  
Evanston, Wyoming 82930  
Phone: (307) 789-9213 or (307) 789-9214

OIL CO. SITE REPRESENTATIVE John ASLANSKAN & Tracy Mosness

RIG TOOL PUSHER Rick

TESTED OUT OF EVANSTON

NOTIFIED PRIOR TO TEST: \_\_\_\_\_

COPIES OF THIS TEST REPORT SENT COPIES TO: SITE REP

State

BLM

ORIGINAL CHART & TEST REPORT ON FILE AT: EVANSTON, WYO. OFFICE



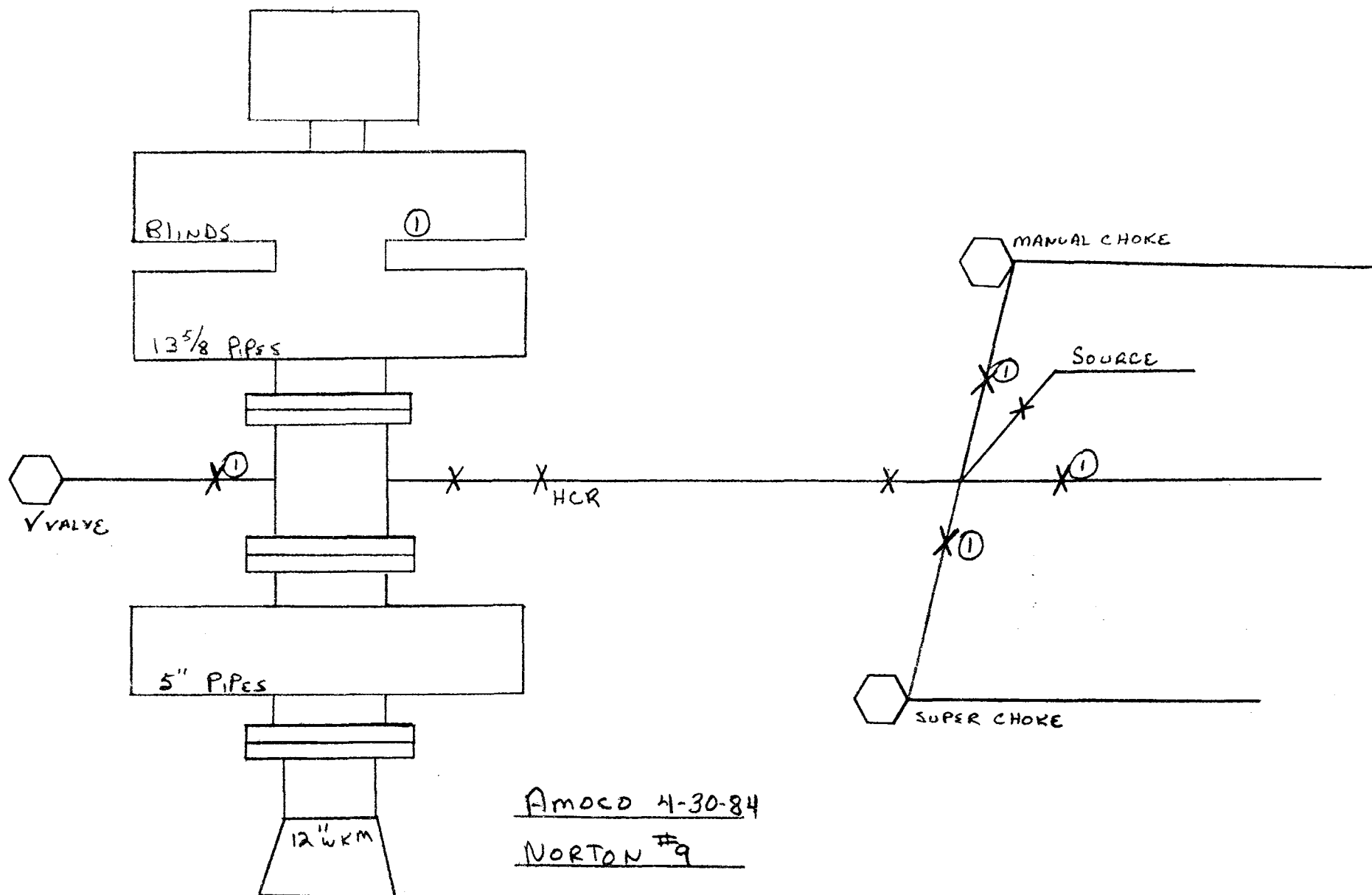
Company		Lease and Well Name #	Date of test	Rig #
Amoco		AREU - 62/20-04	4-30-84	NORTON #9
st #	Time			

CHANGE OUT CSG RAMS - BAIL OUT CELLAR  
 3000 O.K. BLINDS & SHELL TEST ON DOOR  
 SEALS

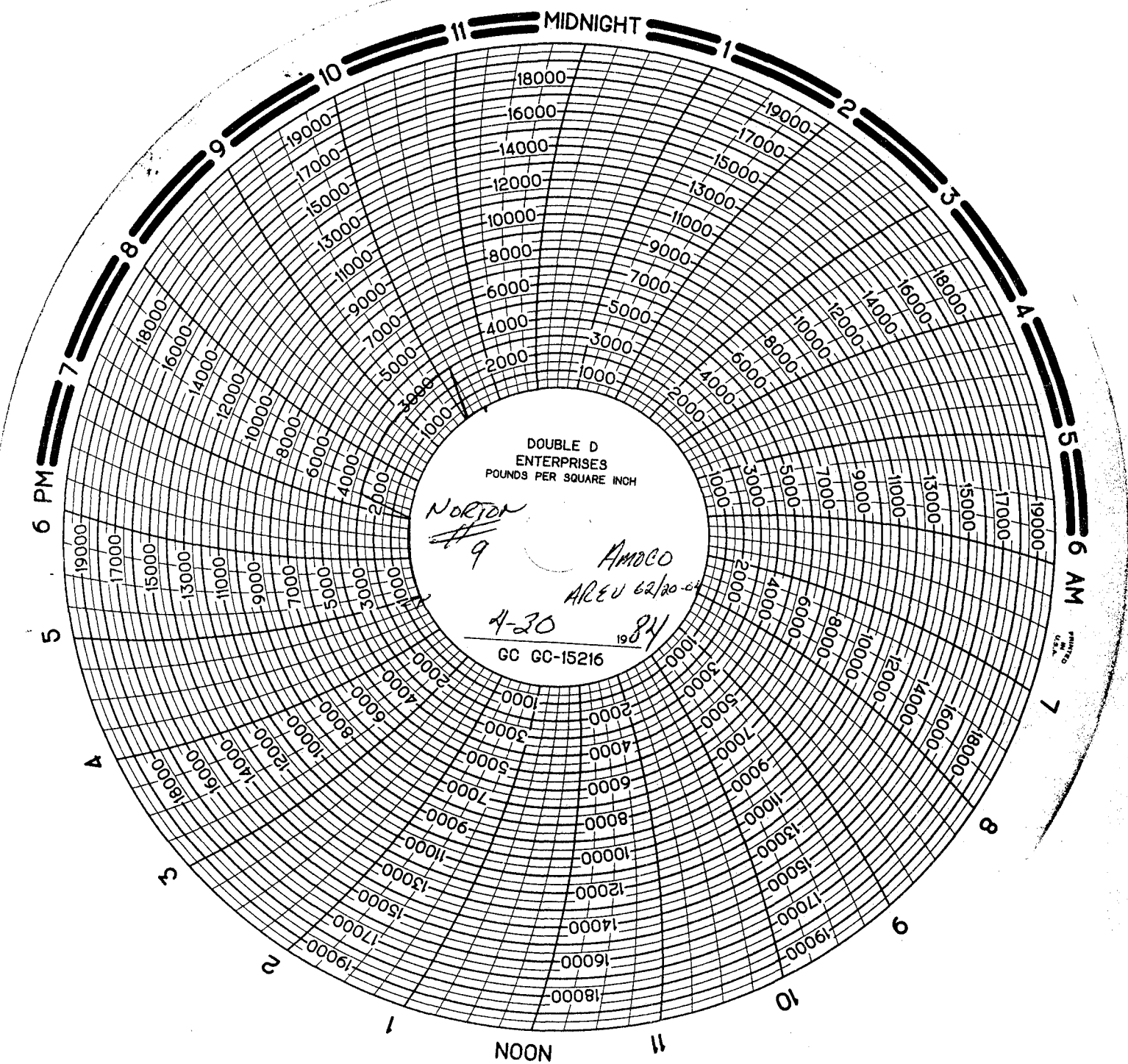
PULL PLUG - DID NOT SET WEAR RING  
 SPOOL UP - SHUT CSG VALVE - MAKE OUT TICKET  
 TRAVEL TO SHOP

(1) 530-545  
 545-











STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

BLOW OUT PREVENTION TEST

NAME OF COMPANY: AMOCO PRODUCTION

WELL NAME: W20-04

SECTION: 20 TOWNSHIP 4N RANGE 8E COUNTY: SUMMIT

DRILLING CONTRACTOR: NORTON

RIG # 9

BOP TEST: DATE: 4-24-84

TIME: 3:00 AM

DRILLING: \_\_\_\_\_

CASING: \_\_\_\_\_

H<sub>2</sub>S: \_\_\_\_\_

REPORTED BY: JEFF LOFTIS

TELEPHONE NO. \_\_\_\_\_

DATE: 4-23-84 SIGNED DAN JARVIS



# DOUBLE "D" ENTERPRISES

B.O.P. Test Report

B.O.P. TEST PERFORMED ON (DATE)..... 9-1-84  
OIL CO.: ..... Amoco  
WELL NAME & NUMBER..... ARE W-20-04  
SECTION..... 20  
TOWNSHIP..... 51-N  
RANGE..... 8-E  
COUNTY..... Summit Utah  
DRILLING CONTRACTOR..... Norton 9

INVOICES BILLED FROM: **DOUBLE "D" ENTERPRISES, INC.**  
213 Pine Street - Box 560  
Shoshoni, Wyoming 82649  
Phone: (307) 876-2308 or (307) 876-2234

TESTED BY: **DOUBLE "D" ENTERPRISES, INC.**  
712 Morse Lee Street  
Evanston, Wyoming 82930  
Phone: (307) 789-9213 or (307) 789-9214

OIL CO. SITE REPRESENTATIVE..... John Alaskan  
RIG TOOL PUSHER.....  
TESTED OUT OF..... Evanston

NOTIFIED PRIOR TO TEST: .....

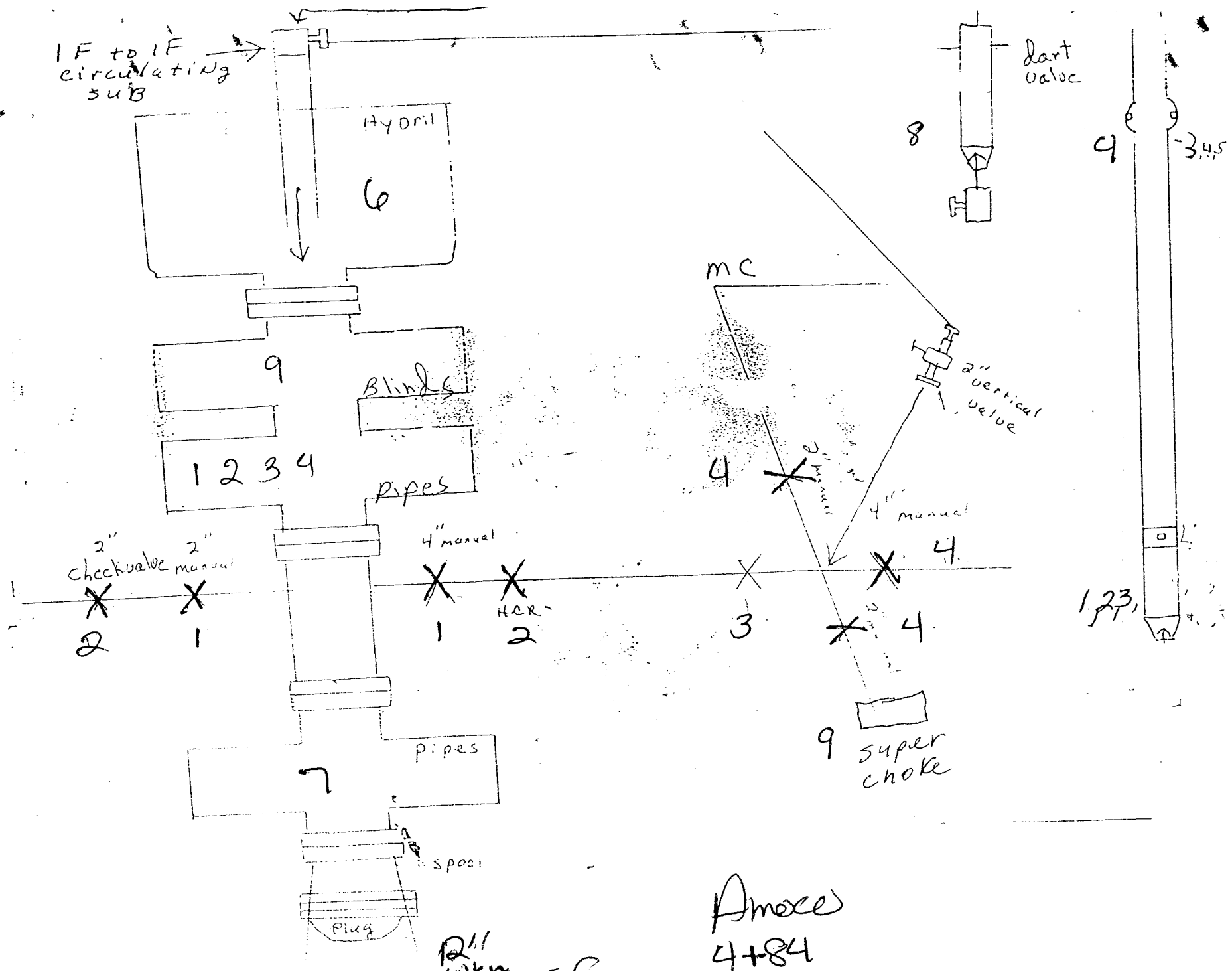
COPIES OF THIS TEST REPORT SENT COPIES TO: ..... STATE & BLM Utah  
..... Amoco Site Rep

ORIGINAL CHART & TEST REPORT ON FILE AT: ..... Evanston ..... OFFICE



Company	Lease and Well Name #	Date of test	Rig #
Amoco	ARE W-20-04	4-1-84	Norton 9
Test #	Time		
	Loaded	Truck at 3:30	
	Left	at 4:00	
	Arrived	at 4:50	
	4:50 - 8:30	Rig TRIPPING,	
	8:30 - 9:00	pull ware ring - throw up subs - TIW and Kelly on joint set plug.	
	9:00 - 9:30	Rf pumps aired up - takes a while.	
1	9:37	Top pipes - TIW - inside wig valves. Surge next valves	
2	9:57	Top pipes - TIW - check - HCR	
3	10:16	Top pipes - 1st valve in manifold.	
4	10:38	Top pipes - inside manifold: Top Kelly.	
5			
6	11:01	HYDRIL - TIW - check - manifold.	
7	12:20	Lower pipes	
8	12:04	BART Valve	
9	12:26	Blinds - super choke	
	12:45 - 1:00	Set ware ring.	
	1:00 - 1:45	Rig down	
	1:45 - 2:00	make out ticket	
	2:00 - 3:00	TRAVEL TIME	
	3:00 - 4:30	clean TRUCK full up.	

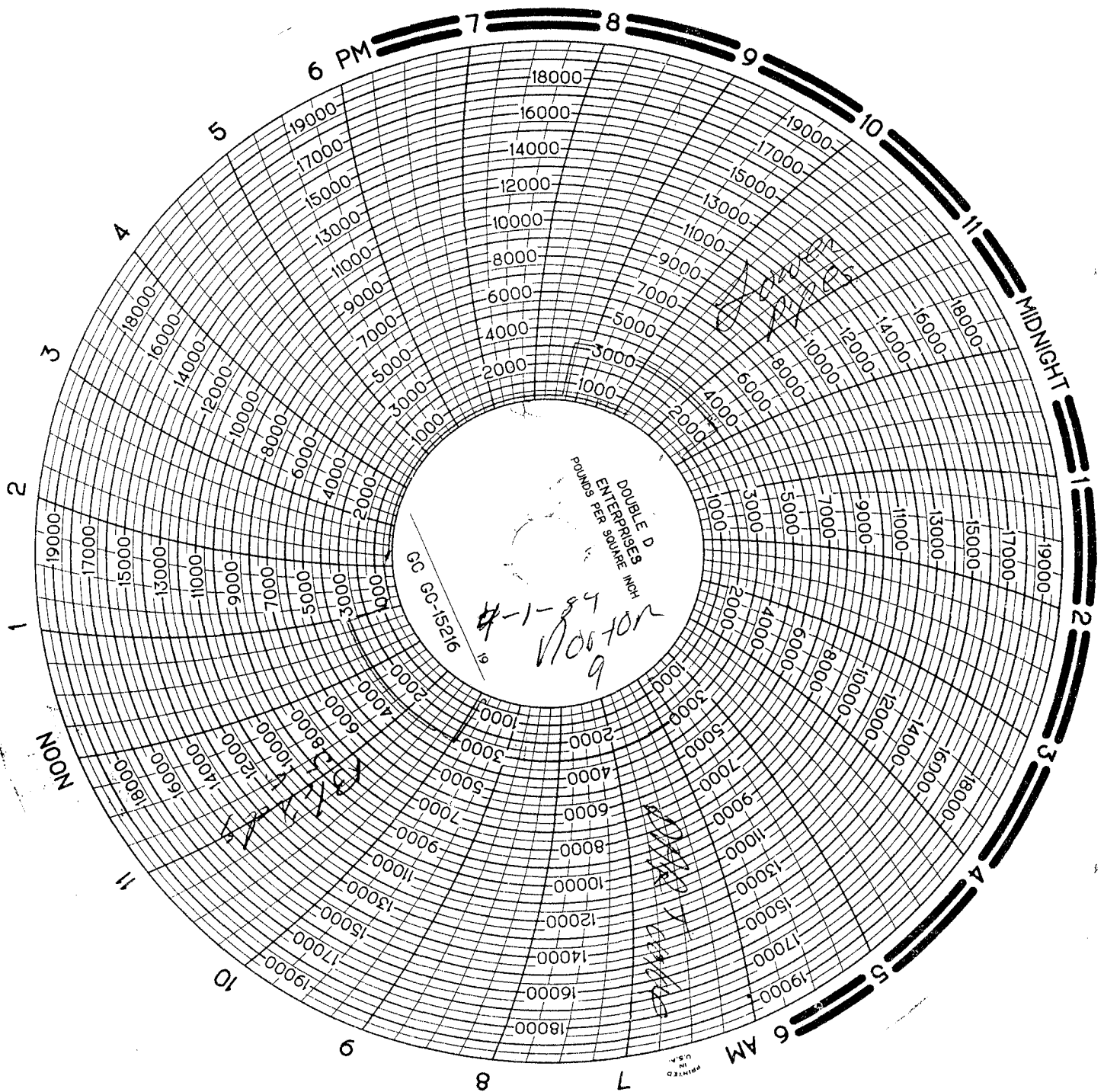




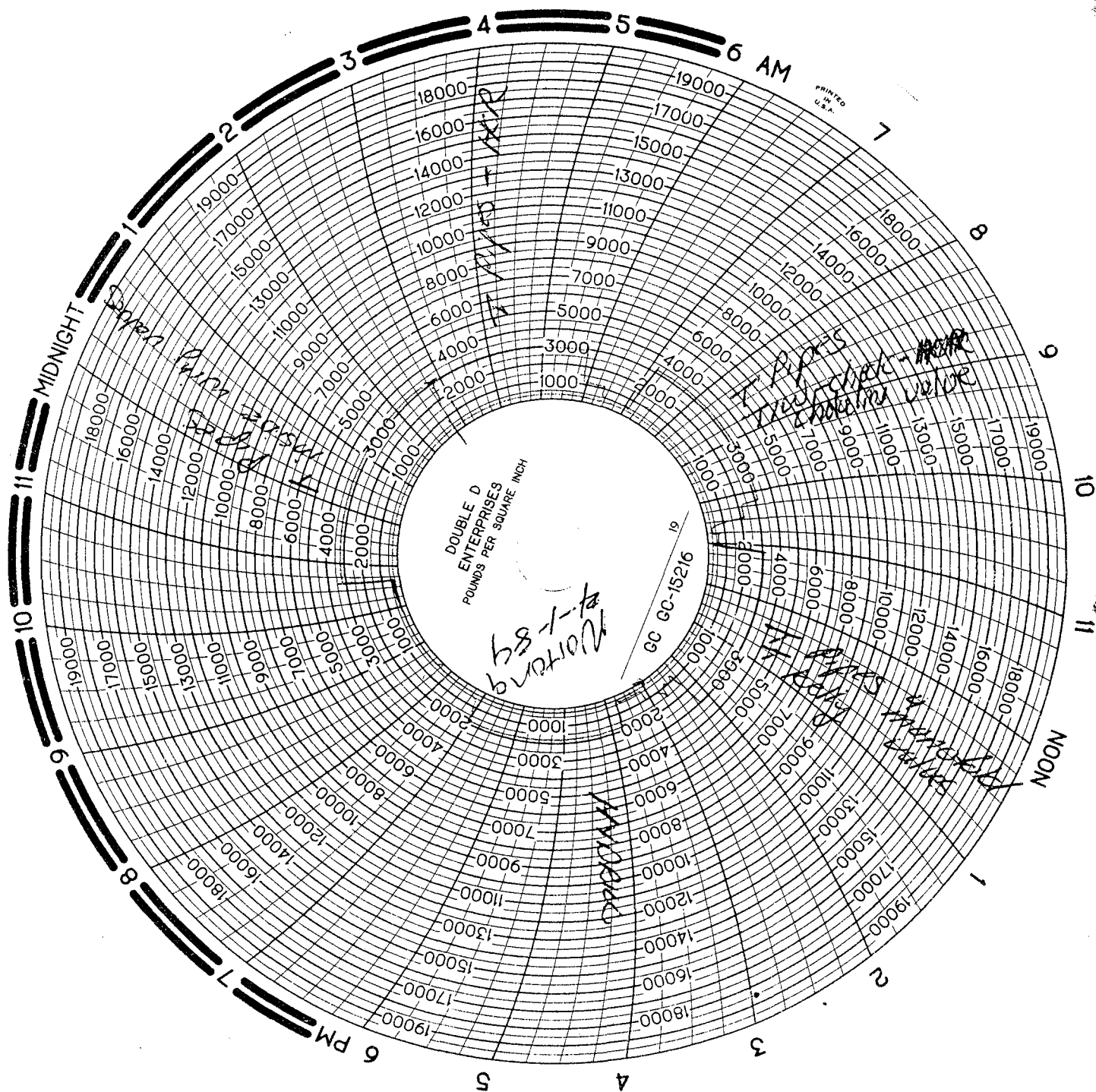
12 1/1 WKM or Cam.

Amoco  
4+84  
Norton 9











**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT **TRIPPLICATE\***  
 (Other instructions on  
 reverse side)

3

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1.</b> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> Fee	
<b>2. NAME OF OPERATOR</b> Amoco Production Company		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>	
<b>3. ADDRESS OF OPERATOR</b> P.O. Box 829 Evanston, Wyoming 82930		<b>7. UNIT AGREEMENT NAME</b> Anschutz Ranch East	
<b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*          See also space 17 below.)          At surface</b>  401' FWL & 706' FNL		<b>8. FARM OR LEASE NAME</b> Anschutz Ranch East	
<b>14. PERMIT NO.</b> 43-043-30238		<b>9. WELL NO.</b> W20-04	
<b>15. ELEVATIONS (Show whether DF, RT, OR, etc.)</b> 7525'		<b>10. FIELD AND POOL, OR WILDCAT</b> Anschutz Ranch East	
<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>		<b>11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA</b> Sec. 20, T4N, R8E	
<b>17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*</b>		<b>12. COUNTY OR PARISH</b> Summit	
<b>18. I hereby certify that the foregoing is true and correct</b>		<b>13. STATE</b> Utah	

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

FULL OR ALTER CASING

☐  
☐  
☐  
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF

☐  
☐  
☐

REPAIRING WELL

☐  
☐  
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

Report of operations

☒

(NOTE: Report results of multiple completion on Well  
 Completion or Recompletion Report and Log form.)

Date: 04/ 16/84

Spud Date: 10/27/83

Drilling Contractor: Norton 9

Drilling ahead: 9.875" bit

Total depth: 11,882'

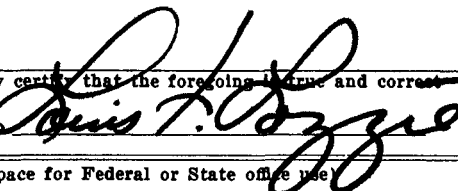
RECEIVED

MAY 21 1984

DIVISION OF OIL  
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE Administrative Supervisor

DATE 5/17/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side





STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 23, 1984

Amoco Production Company  
Attn: J. S. Saye  
P O Box 829  
Evanston, Wyoming 82930

RE: Delinquent Monthly Reports  
List of wells attached  
April 1984 & May 1984

Dear Mr. Saye:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month every month until the well is completed. This report may be filed on Form OGC-1b, "Sundry Notices and Reports on Wells". We are enclosing forms for your convenience.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

Claudia Jones  
Well Records Specialist

CLJ/cj

Enclosure

cc: Dianne R. Nielson, DOGM  
Ronald J. Firth, DOGM



Well No. Champlin 185 A#1  
API #43-043-30188  
Sec. 1, T. 3N, R. 7E.  
Summit County, Utah

Well No. Thousand Peaks Ranches E#1  
API #43-043-30241  
Sec. 18, T. 3N, R. 8E.  
Summit County, Utah

Well No. Champlin 187 A#1  
API #43-043-30245  
Sec. 25, T. 4N, R. 7E.  
Summit County, Utah

Well No. Anschutz Ranch East W36-10  
API #43-043-30227  
Sec. 36, T. 4N, R. 7E.  
Summit County, Utah

Well No. Island Ranching E#3 (W36-14)  
API #43-043-30255  
Sec. 36, T. 4N, R. 7E.  
Summit County, Utah

Well No. Anschutz Ranch East W20-04  
API #43-043-30238  
Sec. 20, T. 4N, R. 8E.  
Summit County, Utah

Well No. Anschutz Ranch East W30-12A  
API #43-043-30230  
Sec. 30, T. 4N, R. 8E.  
Summit County, Utah



RECEIVED

# DOUBLE "D" ENTERPRISES

MAY 29 1984

B.O.P. Test Report

DIVISION OF OIL  
GAS & MINING

B.O.P. TEST PERFORMED ON (DATE) 5-24-84

OIL CO.: Amoco

WELL NAME & NUMBER AREU w/20-04

SECTION 20

TOWNSHIP 4N

RANGE 8-E

COUNTY Summit Utah

DRILLING CONTRACTOR Norton 9

INVOICES BILLED FROM: **DOUBLE "D" ENTERPRISES, INC.**  
213 Pine Street - Box 560  
Shoshoni, Wyoming 82649  
Phone: (307) 876-2308 or (307) 876-2234

TESTED BY: **DOUBLE "D" ENTERPRISES, INC.**  
712 Morse Lee Street  
Evanston, Wyoming 82930  
Phone: (307) 789-9213 or (307) 789-9214

OIL CO. SITE REPRESENTATIVE

RIG TOOL PUSHER

TESTED OUT OF Evanston

NOTIFIED PRIOR TO TEST:

COPIES OF THIS TEST REPORT SENT COPIES TO: Site Rep

State

Bdm

ORIGINAL CHART & TEST REPORT ON FILE AT: Evanston OFFICE



NORTAD 9 5-24-84 AMOCO

LOADED TRUCK 10:30-11:05

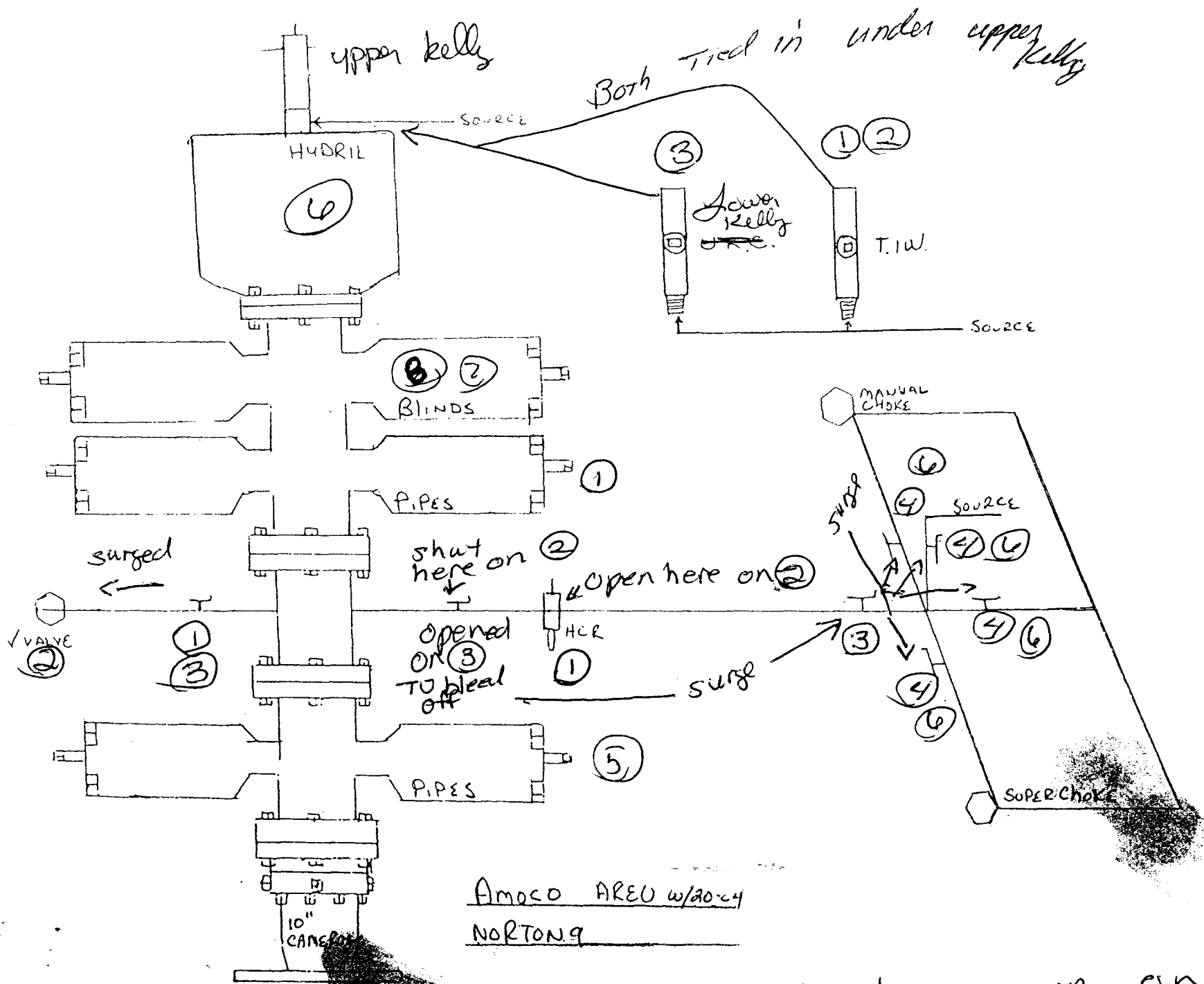
Left for Location 11:30

ARRIVED on Loc. 12:40

Rig STILL TRIPPING.

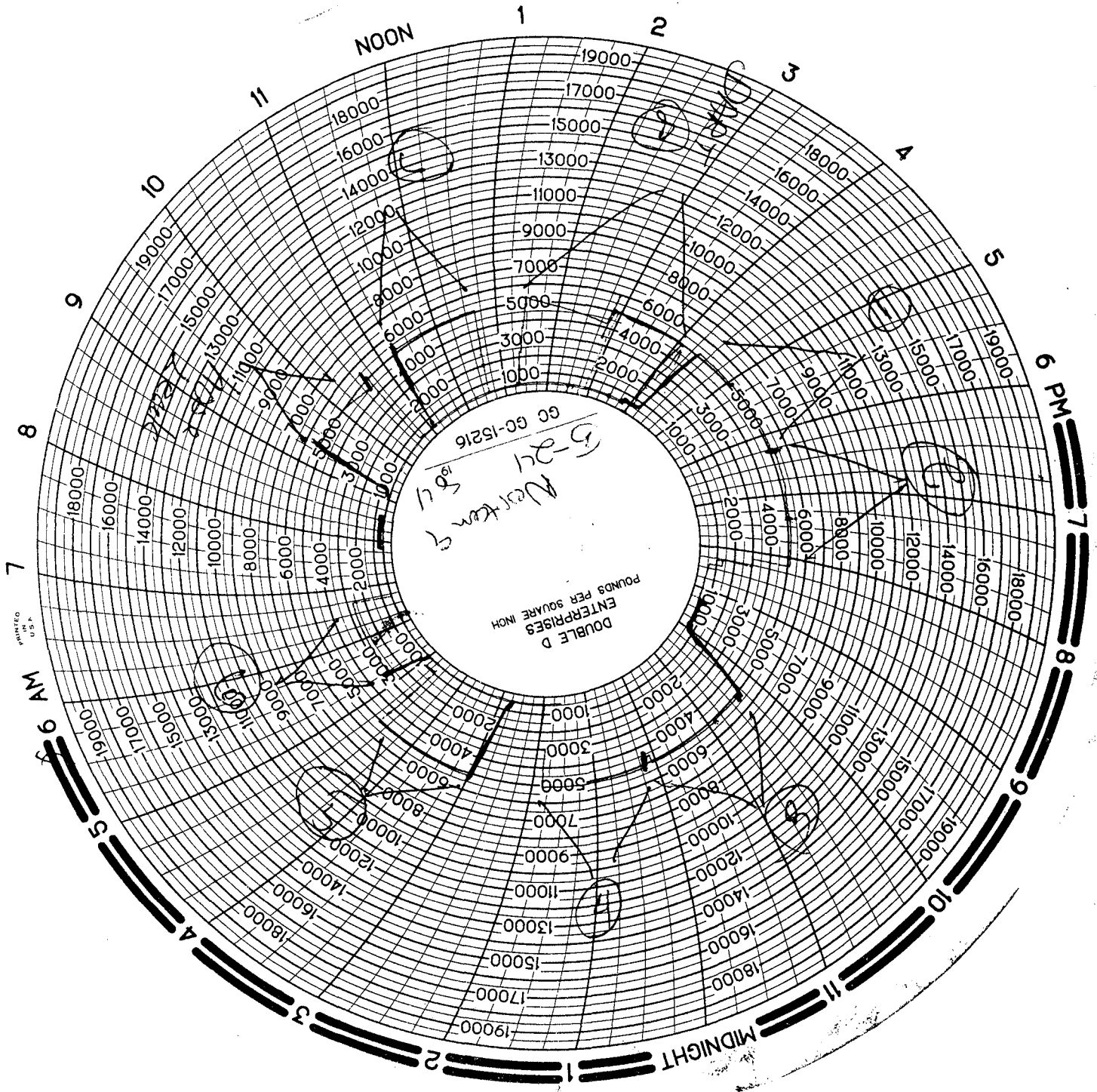
TIME	TEST	Rig up to set plug.
3:56	①	I'm going to surge EACH TEST TO keep THE INVERT OUT OF MY TESTING UNIT.
4:14	②	TOP PIPE - 1ST KILL & HCR VALUES - TIW surged check and shut inside choke value & opened HCR value TOP Pipes - TIW - check value & 1st choke value.
4:55	③	NEXT TEST I will open choke value & that will bleed slack off I also need to rejoin my hose connection.
5:11	④	TOP Pipes - Lower Kelly - 1st kill - 1st manifold value vertical value - 200 manifold Bleed off through manifold.
5:38	⑤	Upper Kelly - Lower pipes
6:01	⑥	HYDRILL - 2500 MANIFOLD 1ST KILL - Upper Kelly
6:43	⑦	Blind's hose STARTED Jinking.
7:01	⑧	SAME TEST.
7:20	⑨	DART Sealed once where we made up then held.





I'm going to surge the valves with the pressure on them to avoid bleed off through unit. Invert will stop me unit.







STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

<div style="display: flex; justify-content: space-between;"> <div> <b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> <input type="checkbox"/> </div> <div style="font-size: 2em; font-weight: bold; transform: rotate(-5deg);">RECEIVED</div> </div>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> Fee
<b>2. NAME OF OPERATOR</b> Amoco Production Company		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> 
<b>3. ADDRESS OF OPERATOR</b> P.O. Box 829 Evanston, Wyoming 82930		<b>7. UNIT AGREEMENT NAME</b> Anschutz Ranch East
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  401' FWL & 706' FNL		<b>8. FARM OR LEASE NAME</b> Anschutz Ranch East
<b>14. PERMIT NO.</b> 43-043-30238		<b>9. WELL NO.</b> W20-04
<b>15. ELEVATIONS</b> (Show whether OF, RT, GR, etc.) 7525'		<b>10. FIELD AND POOL, OR WILDCAT</b> Anschutz Ranch East
<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 20, T4N, R8E
<b>17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS</b> (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *		<b>12. COUNTY OR PARISH</b> Summit
		<b>13. STATE</b> Utah

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐  
☐

REPAIRING WELL

☐  
☐  
☐  
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other) Report of Operations

X

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Date: 06/15/84

Spud Date: 10/27/83

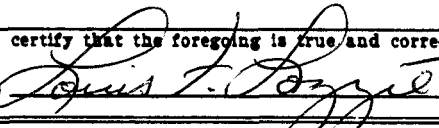
Drilling Contractor: Norton 9

Drilling ahead: 6.250" bit

Total Depth: 14,350'

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE Administrative Supervisor

DATE 6/15/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



# DOUBLE "D" ENTERPRISES

B.O.P. Test Report

RECEIVED

JUL 23 1984

DIVISION OF OIL  
GAS & MINING

B.O.P. TEST PERFORMED ON (DATE) 7-17-84

OIL CO.: Amoco

WELL NAME & NUMBER ARE W-20-04

SECTION 20

TOWNSHIP 4-N

RANGE 8-E

COUNTY Summit

DRILLING CONTRACTOR Chaparral (workover rig)

INVOICES BILLED FROM: **DOUBLE "D" ENTERPRISES, INC.**  
213 Pine Street - Box 560  
Shoshoni, Wyoming 82649  
Phone: (307) 876-2308 or (307) 876-2234

TESTED BY: **DOUBLE "D" ENTERPRISES, INC.**  
712 Morse Lee Street  
Evanston, Wyoming 82930  
Phone: (307) 789-9213 or (307) 789-9214

OIL CO. SITE REPRESENTATIVE Cress DeBusk

RIG TOOL PUSHER

TESTED OUT OF Evanston, Wyoming

NOTIFIED PRIOR TO TEST:

COPIES OF THIS TEST REPORT SENT COPIES TO: Site Representative

Utah Oil & Gas

B.L.M.

ORIGINAL CHART & TEST REPORT ON FILE AT: Evanston OFFICE



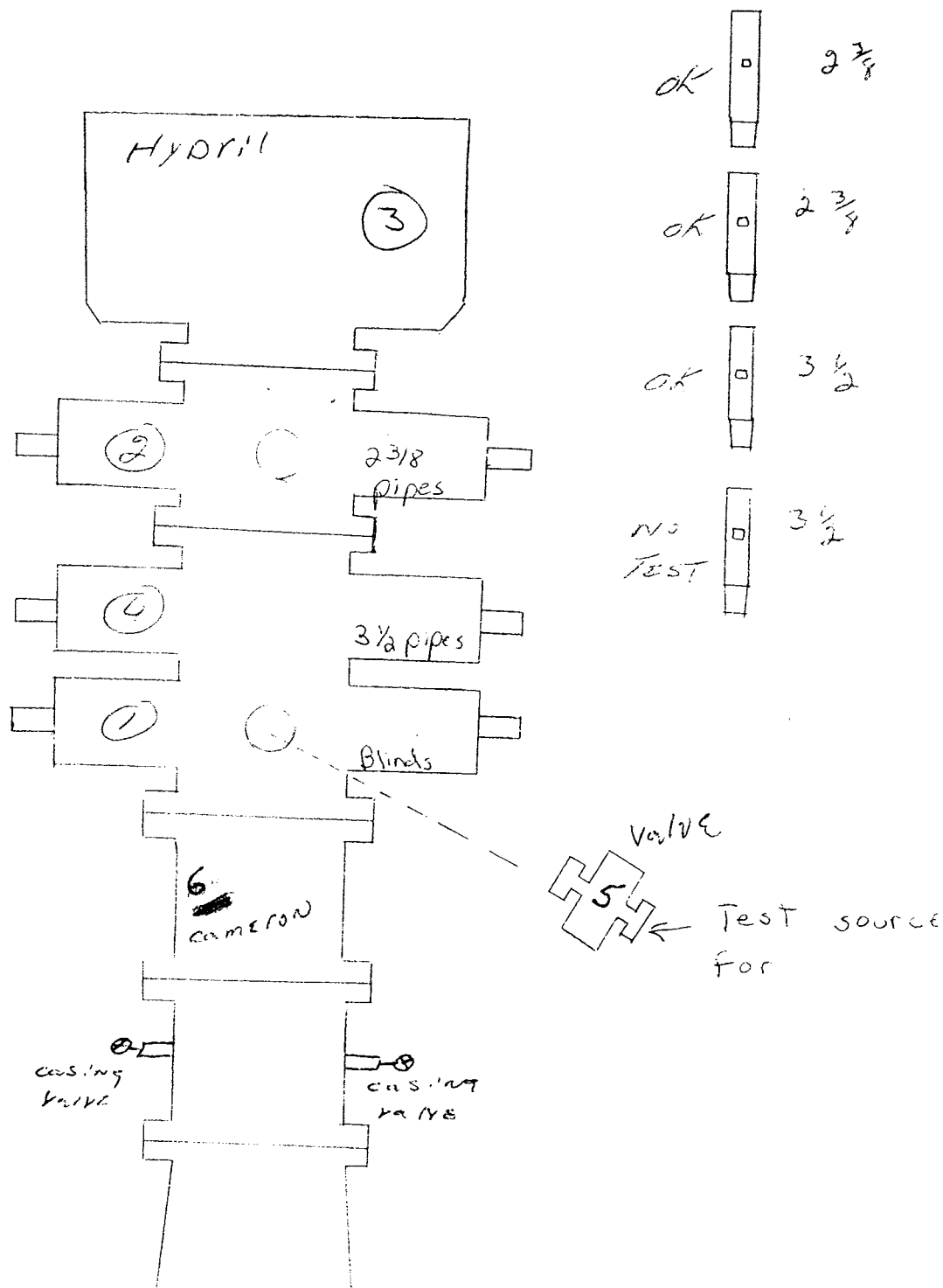
Company		Lease and Well Name #	Date of test	Rig #
Amrop		W-20-04	7-17-84	Chapparell
T #	Time			
	100 2:30	Got to Rig at 100 Rig up Track and HEIP Hauled Rig up so can TEST STACK		
①	2:30-2:45	TEST Blinds to 5000 PSI OK		
②	2:45-3:00	TEST 2 3/8 PIPES Rams to 5000 PSI OK 2 3/8 TIW Valve OK		
③	3:00-3:30	TEST HYPRIL ON 2 3/8 TO 1500 PSI OK		
	3:30-4:00	Screw out of Plug with 2 3/8 and Pick up joint of 3 1/2 Make up TIW Run in Hole Try to TEST TIW Valve Bad Changed out and Try again		
④	4:00 4:30	TEST Bottom PIPES 3 1/2 AND TIW Valve 3 1/2 5000 PSI OK		
⑤	4:30-4:45	TEST Valve on Stack to 5000 PSI OK		
	4:45-6:00	Make out Ticket. Rig Down, Clean up and Travel to Shop		
		2 3/8 EWE		
		3 1/2 EWE		



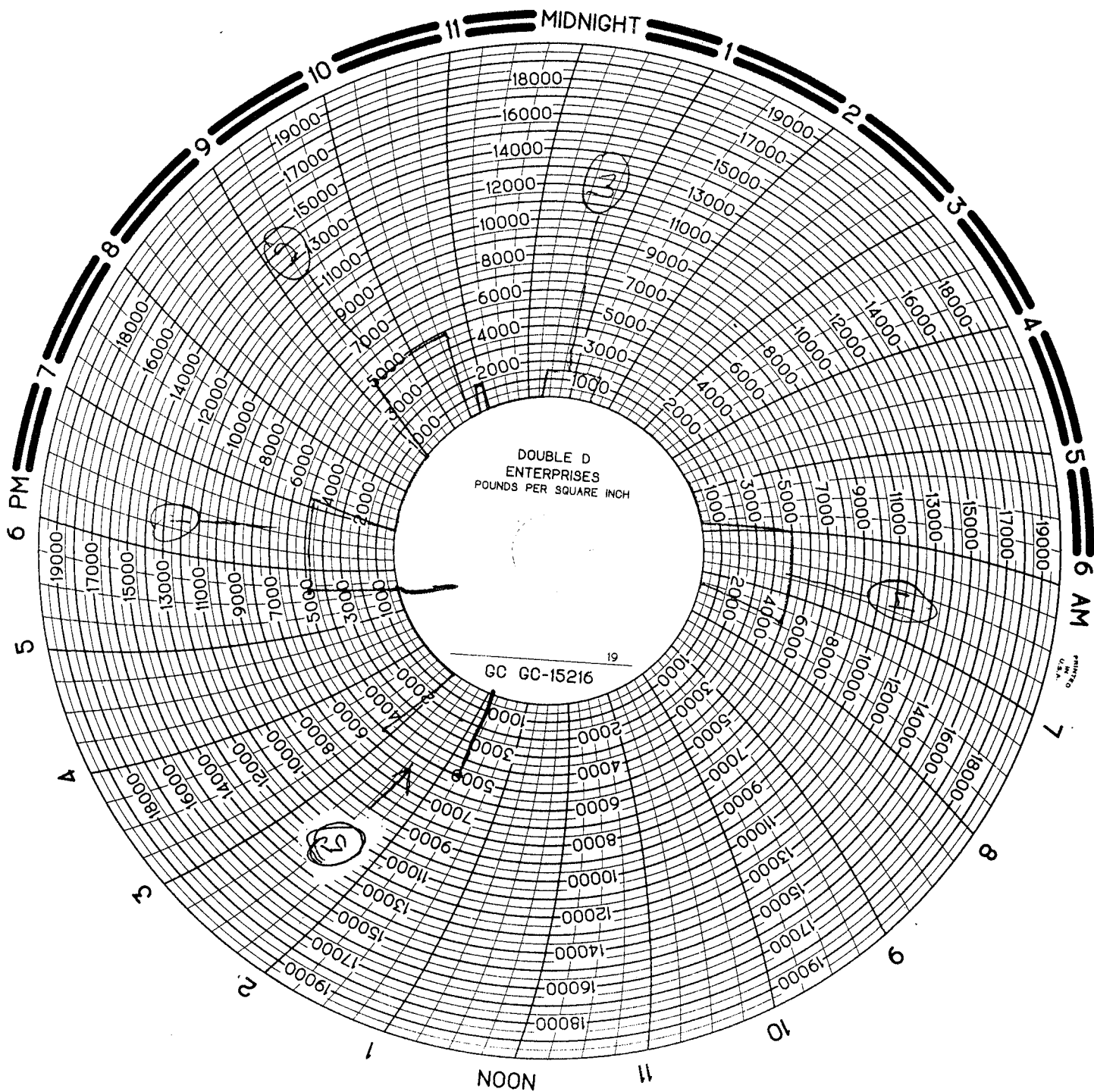
TESTED TO 5000 PSI

Hydril 1500 PSI

7-17-84









STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b>		5. <b>LEASE DESIGNATION AND SERIAL NO.</b> Fee
2. <b>NAME OF OPERATOR</b> Amoco Production Company		6. <b>IF INDIAN, ALLOTTEE OR TRIBE NAME</b>
3. <b>ADDRESS OF OPERATOR</b> P.O. Box 829 Evanston, Wyoming 82930		7. <b>UNIT AGREEMENT NAME</b> Anschutz Ranch East
4. <b>LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 401' FWL & 706' FNL		8. <b>FARM OR LEASE NAME</b> Anschutz Ranch East
14. <b>PERMIT NO.</b> 43-043-30238		9. <b>WELL NO.</b> W20-04
15. <b>ELEVATIONS</b> (Show whether OF, RT, GR, etc.) 7525'		10. <b>FIELD AND POOL, OR WILDCAT</b> Anschutz Ranch East
		11. <b>SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 20, T4N, R8E
		12. <b>COUNTY OR PARISH</b> Summit
		13. <b>STATE</b> Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Report of Operations ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Date: 07/23/84

Spud Date: 20/27/83

Drilling Contractor: Norton 9

Drilling Ahead: 6.250" bit

Total Depth: 14,643'

# RECEIVED

JUL 26 1984

DIVISION OF OIL  
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

*David T. Luzzo*

TITLE

Administrative Supervisor

DATE

7/23/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

COMMENTS OF APPROVAL, IF ANY:



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
		DIFF. RESVR. <input type="checkbox"/>	Other _____		
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY					
3. ADDRESS OF OPERATOR P.O. BOX 829 EVANSTON, WYOMING 82930					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)					
At surface 702' FNL & 414' FWL					
At top prod. interval reported below 1270' FNL & 1273' FWL					
At total depth 1726' FNL & 1602' FWL					
14. PERMIT NO.		DATE ISSUED			
43-043-30238		08-10-83			
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)	
10-01-83		06-24-84		10-06-84	
18. ELEVATIONS (DP, R&B, RT, GR, ETC.)*		19. ELEV. CASINGHEAD			
7482.5' KB		7456' GL			
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*	
14650' MD, 14403' TVD		14453' MD 14010' TVD			
23. INTERVALS DRILLED BY		ROTARY TOOLS		CABLE TOOLS	
sfc to TD					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*					25. WAS DIRECTIONAL SURVEY MADE
Nugget Sandstone 13501'-13956' MD					sfc to TD
13267'-13619' TVD					
26. TYPE ELECTRIC AND OTHER LOGS RUN					27. WAS WELL CORRD.
FDC-CNL, DL, BHC sonic, Dipmeter, CBL, TDT, Prod. log					No
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"		5346'	17 1/2"	2970 sx A & H	None
9 5/8"	62.8#	11902'	12 1/4"	3325 sx H & P	
7"	32 & 35#	10417'	8 1/2"	70 sx H	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
7 5/8"	10686'	11808'	43		
5"	10417'	14588'	440		
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
3 1/2"	10417'	PBR @ 10417'			
31. PERFORATION RECORD (Interval, size and number)					
13501-13556		13756-13846			
13575-13630		13856-13870			
13640-13682		13886-13919			
13690-13724		13928-13956			
All 4JSPF					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
10-06-84		Flowing			Producing
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
11/11/84	23	90.5/64		3140	8121
WATER—BBL.	GAS-OIL RATIO				
0	2586				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
1150	0		3277	8474	0
OIL GRAVITY-API (CORR.)					
49					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY
Reinjected for pressure maintenance					Ken Klinker
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED		TITLE			DATE
[Signature]		District Drilling Engineer			11-26-84

\*(See Instructions and Spaces for Additional Data on Reverse Side)



## INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

**If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.**

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.**

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)**

### 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; COSED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

### 38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Frontier	2050	2049
				Aspen	5192	5181
				Bear River	5584	5570
				Gannet	6906	6886
				Stump	9752	9677
				Preuss	9997	9921
				Salt	11087	11010
				Twin Creek	11758	11679
				Nugget	13501	13268





Amoco Production Company

May 16, 1986

RECEIVED  
MAY 21 1986

Utah Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180

DIVISION OF  
OIL, GAS & MINING

Re: Name change on wells being brought into the Anschutz  
Ranch East Unit

Attn: Claudia Jones

Dear Claudia:

The following is a list of all wells, East & West Lobe  
(production and Injection) at Anschutz Ranch East referenced  
by well name, API No. and legal description, that should  
be rolled over from Amoco Production Company to Amoco Rockmount  
Company upon completion and being brought into the Unit.

Production wells

<u>Well Name</u>	<u>API No.</u>	<u>Legal Description</u>
W01-04	43-043-30270	NWNW, Sec 1, T3N, R7E
W01-06	43-043-30188	SENE, Sec 1, T3N, R7E
W01-12	43-043-30271	NWSW, Sec 1, T3N, R7E
W20-04	43-043-30238	NWNW, Sec 20, T4N, R8E
W16-06 06	43-043-30138	NENE, Sec 16, T4N, R8E
W16-12	43-043-30231	SWNW, Sec 16, T4N, R8E
W17-12 167	43-043-30176	NWSE, Sec 17, T4N, R8E
W19-16	43-043-95008 ? 30204	SWSE, Sec 19, T4N, R8E
W20-02	43-043-30228	NWNE, Sec 20, T4N, R8E
W20-06	43-043-30159	NWNW, Sec 20, T4N, R8E
W20-10	43-043-30229	SENE, Sec 20, T4N, R8E
W20-12	43-043-30220	NWSW, Sec 20, T4N, R8E
W20-16	43-043-30148	SWSE, Sec 20, T4N, R8E
W21-04	43-043-30135	NWNW, Sec 21, T4N, R8E
W29-04	43-043-30129	NWNW, Sec 29, T4N, R8E
W29-06A	43-043-30250	SENE, Sec 29, T4N, R8E
W29-14A	43-043-30251	NWSW, Sec 29, T4N, R8E
W30-06	43-043-30273	NESW, Sec 30, T4N, R8E
W30-08	43-043-30183	SENE, Sec 30, T4N, R8E
W30-10	43-043-30215	NWSE, Sec 30, T4N, R8E
W30-14	43-043-30185	SESW, Sec 30, T4N, R8E
W30-16	43-043-30156	NESE, Sec 30, T4N, R8E



20

Production wells (cont.)

<u>Well Name</u>	<u>API NO.</u>	<u>Legal Description</u>
W31-04	43-043-30165	NWNW, Sec 31, T4N, R8E
W31-06	43-043-30217	SENW, Sec 31, T4N, R8E
W31-08	43-043-30164	NWNE, Sec 31, T4N, R8E
W31-12	43-043-30190	SWNW, Sec 31, T4N, R8E
W32-04	43-043-30162	NWNW, Sec 32, T4N, R8E
W36-10	43-043-30227	NESW, Sec 36, T4N, R7E
W36-16	43-043-30157	SESE, Sec 36, T4N, R7E

Injection wells

W01-02	43-043-30209	? NWNE, Sec 1, T3N, R7E
W02-10	43-043-30265	NWSE, Sec 2, T3N, R7E
W16-14	43-043-30096	NWSW, Sec 16, T4N, R8E
W19-08	43-043-30272	SENE, Sec 19, T4N, R8E
W20-08	43-043-30212 ? 30123	SWNW, Sec 20, T4N, R8E
W20-14	43-043-30145	NWSW, Sec 20, T4N, R8E
W29-02	43-043-30220 ? 30136	NWNE, Sec 29, T4N, R8E
W29-12	43-043-30154	NWSW, Sec 29, T4N, R8E
W30-02	43-043-95014 ? 30218	NWNE, Sec 30, T4N, R8E
W30-12A	43-043-30248 ? 30230	NWSW, Sec 30, T4N, R8E
W30-15	43-043-95012 ? 30246 ?	NWNE, Sec 30, T4N, R8E
W36-08	43-043-30167	SENE, Sec 36, T4N, R7E
W36-14	43-043-30255	SESW, Sec 36, T4N, R7E

This should help to clarify your files and if any changes are necessary we will notify you of such.

If further information is needed please contact Louis F. Lozzie of this office at 307-789-1700 ext. 2226.

Thank you,



R. M. Ramsey  
District Admn. Supervisor

/kg

cc: Pam Collier - Amoco Denver



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

4  
PGW

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee 113006
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME Anschutz Ranch East
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		FARM OR LEASE NAME W20-04
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  702' FNL & 414' FWL		9. WELL NO. W20-04
14. PERMIT NO. 43-043-30238		10. FIELD AND POOL, OR WILDCAT Nugget
15. ELEVATIONS (Show whether DF, ST, GR, etc.) 7456' GL 7482' KB		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T4N, R8E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

NOV 24 1987

DIVISION OF  
OIL, GAS & MINING

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Amoco Production Company proposes the following procedure:

Lower Zone 2, of the Nugget formation, will be perforated from 13,970' - 14,072' and 14,098' - 14,124' with a tubing conveyed system.

Work will commence the 1st week of December.

This work was discussed between John Baza - UT&G and Bruce Leggett Amoco on 11-18-87 at 4:00 pm.

18. I hereby certify that the foregoing is true and correct.

SIGNED Louis F. Doyle

TITLE Administrative Supervisor

DATE 11-19-87

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

APPROVED BY THE STATE  
OF UTAH  
DIVISION OF  
OIL, GAS, AND MINING

DATE: 11-25-87

\*See Instructions on Reverse Side

BY: John R. Baza

24



BEST COPY  
AVAILABLE



**REPORT  
of  
SUB-SURFACE  
DIRECTIONAL  
SURVEY**

**RECEIVED**  
OCT 14 1988

DIVISION OF  
OIL, GAS & MINING

AMOCO PRODUCTION COMPANY  
COMPANY

4N 8E 20 P

A.P.E. W20-04  
WELL NAME

SUMMIT COUNTY, UTAH  
LOCATION

JOB NUMBER  
FM784 A1862

TYPE OF SURVEY  
SEEKER

DATE  
7-30-84

SURVEY BY: JODY SCHRAEDER

OFFICE: EVANSTON



AROCO PRODUCTION COMPANY  
WELL NAME: A. R. E. W20-04  
LOCATION: SUMMIT COUNTY, UTAH  
DATE: 28-JUL-84  
LATITUDE: 41.3  
SLEW/SETFILE:10/7  
TOOL: EW0102  
DISTRICT: EVANSTON  
SURVEYOR: JODY SCHRADER  
CO. REP: BOB COLE  
HEAT SHIELD:NO

INCLUDES STATIONS FROM FILE 13

VERTICAL SECTION CALCULATED IN PLANE OF PROPOSAL

DIRECTION: S 60 DEG. 0 MIN. E

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD



AMOCO PRODUCTION COMPANY  
WELL NAME: A. R. E. W20-04  
LOCATION: SUMMIT COUNTY, UTAH

COMPUTATION  
TIME DATE  
00:01:42 30-JUL-84

PAGE NO.

MEASURED DEPTH FEET	DRIFT ANGLE DEG	DRIFT DIRECTION DEG	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET		DOGLEG SEVERITY DG/100FT
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.19	225.51	100.00	100.00	-0.05	0.12 S	0.12 W	0.19
200	0.03	350.64	100.00	200.00	-0.20	0.07 S	0.27 W	0.21
300	0.23	294.84	100.00	300.00	-0.40	0.10 N	0.40 W	0.21
400	0.26	232.44	100.00	400.00	-0.73	0.06 N	0.81 W	0.25
500	0.10	93.65	100.00	500.00	-0.55	0.18 S	0.74 W	0.34
600	0.14	229.46	100.00	600.00	-0.42	0.35 S	0.68 W	0.23
700	0.43	157.19	100.00	700.00	-0.28	0.80 S	0.79 W	0.41
800	0.31	174.01	100.00	799.99	0.16	1.42 S	0.63 W	0.16
900	0.62	150.83	100.00	899.99	0.76	2.19 S	0.39 W	0.35
1000	0.60	175.99	100.00	999.99	1.53	3.20 S	0.09 W	0.27
1100	0.88	149.72	100.00	1099.98	2.47	4.42 S	0.29 E	0.44
1200	0.86	169.35	100.00	1199.97	3.62	5.83 S	0.82 E	0.30
1300	1.03	150.85	100.00	1299.95	4.88	7.37 S	1.38 E	0.35
1400	0.94	164.26	100.00	1399.94	6.24	8.96 S	2.03 E	0.25
1500	1.07	150.15	100.00	1499.92	7.64	10.58 S	2.71 E	0.28
1600	1.00	166.99	100.00	1599.90	9.05	12.26 S	3.37 E	0.31
1700	0.97	158.06	100.00	1699.89	10.31	13.89 S	3.89 E	0.16
1800	0.97	186.15	100.00	1799.88	11.34	15.56 S	4.12 E	0.47
1900	0.95	179.45	100.00	1899.86	12.11	17.23 S	4.03 E	0.11
2000	1.02	202.99	100.00	1999.85	12.65	18.89 S	3.70 E	0.41
2100	1.08	198.22	100.00	2099.83	12.95	20.61 S	3.06 E	0.11
2200	0.92	211.94	100.00	2199.81	13.10	22.19 S	2.32 E	0.29
2300	1.29	228.13	100.00	2299.80	12.77	23.67 S	1.08 E	0.48
2400	1.84	247.14	100.00	2399.76	11.51	25.12 S	1.21 W	0.75
2500	2.17	255.93	100.00	2499.70	9.19	26.23 S	4.53 W	0.45
2600	2.63	260.54	100.00	2599.61	6.07	27.08 S	8.62 W	0.51
2700	2.97	261.84	100.00	2699.49	2.26	27.83 S	13.45 W	0.34
2800	3.32	262.40	100.00	2799.34	-2.06	28.58 S	18.88 W	0.35
2900	3.48	264.88	100.00	2899.16	-6.84	29.24 S	24.78 W	0.22



ARCO PRODUCTION COMPANY  
 WELL NAME: A. R. E. W20-04  
 LOCATION: SUMMIT COUNTY, UTAH

COMPUTATION  
 TIME DATE  
 00:01:42 30-JUL-84

PAGE NO.

MEASURED DEPTH FEET	DRIFT ANGLE DEG	DRIFT DIRECTION DEG	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET		DOGLEG SEVERITY DG/100FT
3000	3.88	269.21	100.00	2998.96	-12.23	29.57 S	31.19 W	0.49
3100	4.25	269.11	100.00	3098.70	-18.32	29.67 S	38.28 W	0.37
3200	4.55	265.27	100.00	3198.41	-24.77	30.05 S	45.95 W	0.42
3300	4.81	271.21	100.00	3298.07	-31.70	30.30 S	54.10 W	0.55
3400	4.90	271.52	100.00	3397.72	-39.13	30.10 S	62.56 W	0.09
3500	5.40	273.15	100.00	3497.31	-47.08	29.73 S	71.53 W	0.52
3600	5.27	274.11	100.00	3596.88	-55.41	29.14 S	80.80 W	0.16
3700	5.61	266.66	100.00	3696.43	-63.64	29.08 S	90.27 W	0.78
3800	5.40	269.60	100.00	3795.97	-71.78	29.40 S	99.86 W	0.35
3900	5.33	269.41	100.00	3895.53	-79.84	29.48 S	109.20 W	0.07
4000	5.39	275.82	100.00	3995.09	-88.13	29.05 S	118.54 W	0.60
4100	5.55	275.40	100.00	4094.64	-96.82	28.12 S	128.03 W	0.16
4200	5.63	274.08	100.00	4194.16	-105.63	27.31 S	137.74 W	0.15
4300	5.79	274.23	100.00	4293.66	-114.59	26.59 S	147.66 W	0.15
4400	5.85	279.37	100.00	4393.15	-123.89	25.39 S	157.72 W	0.52
4500	5.65	273.29	100.00	4492.65	-133.06	24.29 S	167.66 W	0.64
4600	5.84	274.11	100.00	4592.14	-142.03	23.64 S	177.65 W	0.21
4700	5.74	280.78	100.00	4691.63	-151.35	22.34 S	187.65 W	0.68
4800	6.11	273.01	100.00	4791.10	-160.83	21.10 S	197.90 W	0.88
4900	6.16	277.47	100.00	4890.53	-170.54	20.12 S	208.54 W	0.48
5000	6.42	282.88	100.00	4989.92	-180.84	18.19 S	219.32 W	0.65
5100	6.37	278.84	100.00	5089.30	-191.37	16.09 S	230.26 W	0.45
5200	6.41	281.28	100.00	5188.68	-201.83	14.14 S	241.22 W	0.27
5300	6.48	278.60	100.00	5288.05	-212.37	12.21 S	252.27 W	0.31
5400	6.29	281.24	100.00	5387.43	-222.81	10.29 S	263.22 W	0.35
5500	6.18	282.93	100.00	5486.84	-233.14	8.02 S	273.84 W	0.22
5600	6.48	283.08	100.00	5586.23	-243.69	5.54 S	284.58 W	0.31
5700	6.88	283.93	100.00	5685.55	-254.85	2.82 S	295.90 W	0.41
5800	6.84	286.49	100.00	5784.84	-266.39	0.31 N	307.42 W	0.31
5900	6.69	285.92	100.00	5884.14	-277.83	3.60 N	318.73 W	0.17



AROLD PRODUCTION COMPANY  
WELL NAME: A. R. E. W20-04  
LOCATION: SUMMIT COUNTY, UTAH

COMPUTATION  
TIME DATE  
00:01:42 30-JUL-84

PAGE NO. 1

MEASURED DEPTH FEET	DRIFT ANGLE DEG	DRIFT DIRECTION DEG	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET	DOGLEG SEVERITY DG/100FT
6000	6.05	288.40	100.00	5983.52	-288.64	6.87 N 329.33 W	0.70
6100	4.39	300.62	100.00	6083.10	-297.68	10.64 N 337.59 W	1.99
6200	2.83	320.56	100.00	6182.90	-303.83	14.71 N 342.34 W	1.98
6300	2.18	353.99	100.00	6282.81	-307.27	18.69 N 344.01 W	1.57
6400	2.75	38.96	100.00	6382.71	-308.25	22.71 N 342.82 W	1.96
6500	3.49	70.04	100.00	6482.56	-306.02	25.83 N 338.45 W	1.82
6600	4.44	86.96	100.00	6582.32	-300.86	27.20 N 331.69 W	1.50
6700	5.37	117.83	100.00	6681.96	-292.80	25.39 N 323.44 W	2.76
6800	6.97	101.74	100.00	6781.37	-282.25	21.76 N 313.35 W	2.34
6900	8.61	101.54	100.00	6880.45	-269.38	19.03 N 300.07 W	1.64
7000	9.86	108.25	100.00	6979.15	-253.90	14.90 N 284.57 W	1.65
7100	11.36	104.22	100.00	7077.44	-236.02	9.76 N 266.90 W	1.67
7200	12.85	104.55	100.00	7175.21	-215.83	4.55 N 246.59 W	1.49
7300	13.11	104.46	100.00	7272.65	-194.18	1.08 S 224.84 W	0.26
7400	12.76	105.37	100.00	7370.12	-172.56	6.84 S 203.21 W	0.40
7500	12.57	103.62	100.00	7467.68	-151.43	12.33 S 181.97 W	0.43
7600	12.41	103.78	100.00	7565.31	-130.67	17.45 S 160.96 W	0.16
7700	12.54	104.88	100.00	7662.95	-109.86	22.80 S 140.02 W	0.27
7800	12.69	103.38	100.00	7760.53	-88.85	28.13 S 118.84 W	0.36
7900	12.50	105.15	100.00	7858.13	-67.86	33.50 S 97.70 W	0.43
8000	12.44	106.70	100.00	7955.77	-46.93	39.42 S 76.95 W	0.34
8100	12.33	105.50	100.00	8053.44	-26.11	45.37 S 56.35 W	0.28
8200	12.10	106.68	100.00	8151.18	-5.57	51.24 S 36.01 W	0.34
8300	12.02	105.48	100.00	8248.97	14.71	57.03 S 15.94 W	0.27
8400	11.57	107.56	100.00	8346.86	34.59	62.84 S 3.66 E	0.61
8500	11.70	108.91	100.00	8444.80	54.33	69.15 S 22.82 E	0.30
8600	11.40	108.77	100.00	8542.78	73.98	75.62 S 41.77 E	0.30
8700	11.43	108.28	100.00	8640.80	93.39	81.91 S 60.55 E	0.10
8800	11.22	110.27	100.00	8738.85	112.68	88.39 S 79.08 E	0.44
8900	11.18	111.15	100.00	8836.95	131.85	95.26 S 97.25 E	0.18



AMOCO PRODUCTION COMPANY  
WELL NAME: A. R. E. W20-04  
LOCATION: SUMMIT COUNTY, UTAH

COMPUTATION  
TIME DATE  
00:01:42 30-JUL-84

PAGE NO.:

MEASURED DEPTH FEET	DRIFT ANGLE DEG	DRIFT DIRECTION DEG	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	R E C T A N G U L A R C O O R D I N A T E S FEET		DOGLEG SEVERITY DG/100FT
9000	10.98	108.96	100.00	8935.09	150.78	101.85 S	115.30 E	0.47
9100	10.82	110.26	100.00	9033.29	169.37	108.19 S	133.11 E	0.29
9200	10.93	109.76	100.00	9131.49	187.95	114.65 S	150.83 E	0.14
9300	10.24	110.64	100.00	9229.79	206.05	120.99 S	168.07 E	0.70
9400	9.61	114.36	100.00	9328.29	223.14	127.59 S	184.00 E	0.90
9500	8.86	111.44	100.00	9426.99	239.07	133.84 S	198.78 E	0.89
9600	7.90	110.02	100.00	9525.92	253.45	138.99 S	212.41 E	0.98
9700	6.58	111.36	100.00	9625.13	265.88	143.44 S	224.19 E	1.33
9800	5.46	109.85	100.00	9724.57	276.22	147.13 S	234.01 E	1.13
9900	4.61	113.40	100.00	9824.19	284.91	150.37 S	242.17 E	0.90
10000	3.68	117.13	100.00	9923.92	292.11	153.45 S	248.71 E	0.97
10100	2.86	118.32	100.00	10023.76	297.81	156.11 S	253.76 E	0.81
10200	1.78	118.89	100.00	10123.68	301.86	158.05 S	257.31 E	1.08
10300	1.24	111.30	100.00	10223.64	304.48	159.16 S	259.70 E	0.58
10400	1.00	114.67	100.00	10323.62	306.43	159.93 S	261.50 E	0.24
10500	1.07	113.63	100.00	10423.60	308.22	160.66 S	263.14 E	0.07
10600	0.87	118.08	100.00	10523.59	309.90	161.40 S	264.66 E	0.22
10700	2.82	102.91	100.00	10623.53	313.06	162.52 S	267.66 E	1.99
10800	3.94	83.83	100.00	10723.36	318.30	162.86 S	273.51 E	1.58
10900	3.53	84.67	100.00	10823.14	323.59	162.21 S	280.00 E	0.41
11000	3.39	85.58	100.00	10922.96	328.54	161.70 S	286.01 E	0.15
11100	3.32	87.53	100.00	11022.79	333.44	161.35 S	291.86 E	0.14
11200	1.84	127.70	100.00	11122.69	337.75	162.68 S	296.07 E	2.25
11300	3.70	110.68	100.00	11222.57	342.57	165.03 S	300.28 E	2.01
11400	3.76	93.35	100.00	11322.35	348.72	166.38 S	306.61 E	1.12
11500	4.44	96.07	100.00	11422.10	355.19	166.97 S	313.73 E	0.71
11600	5.48	100.11	100.00	11521.72	363.21	168.19 S	322.30 E	1.09
11700	6.99	105.22	100.00	11621.13	373.57	170.57 S	332.89 E	1.61
11800	7.21	106.06	100.00	11720.36	385.55	173.90 S	344.79 E	0.24
11900	7.19	110.81	100.00	11819.57	397.81	177.86 S	356.67 E	0.60



WELL NAME: A. R. E. W20-04  
LOCATION: SUMMIT COUNTY, UTAH

TIME DATE  
00:01:42 30-JUL-84

MEASURED DEPTH FEET	DRIFT ANGLE DEG	DRIFT DIRECTION DEG	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET	DOGLEG SEVERITY DG/100FT
12000	8.38	114.00	100.00	11918.65	411.23	183.02 S 369.19 E	1.27
12100	9.87	113.00	100.00	12017.38	426.99	189.34 S 383.73 E	1.49
12200	13.00	120.00	100.00	12115.38	446.76	198.18 S 401.46 E	3.42
12300	16.72	121.00	100.00	12212.02	472.40	211.19 S 423.55 E	3.73
12400	19.72	124.00	100.00	12307.00	503.62	227.98 S 449.91 E	3.14
12500	22.40	125.00	100.00	12400.31	539.44	248.33 S 479.52 E	2.71
12600	24.92	124.00	100.00	12491.90	579.44	271.06 S 512.58 E	2.05
12700	27.00	126.00	100.00	12581.81	623.04	296.16 S 548.44 E	2.26
12800	28.97	127.00	100.00	12670.11	669.66	324.07 S 586.15 E	2.02
12900	29.58	125.00	100.00	12757.34	718.29	352.81 S 625.71 E	1.16
13000	29.38	127.00	100.00	12844.38	767.23	381.74 S 665.52 E	1.00
13100	31.10	129.00	100.00	12930.77	817.10	412.75 S 705.21 E	1.99
13200	32.15	131.00	100.00	13015.92	868.74	446.45 S 745.38 E	1.48
13300	33.33	136.00	100.00	13100.03	921.31	483.67 S 784.59 E	2.95
13400	33.38	139.00	100.00	13183.56	973.74	524.20 S 821.73 E	1.65
13500	35.50	138.00	100.00	13266.02	1027.37	566.55 S 859.21 E	2.19
13600	39.08	139.00	100.00	13345.57	1084.82	611.92 S 899.35 E	3.63
13700	40.27	140.00	100.00	13422.53	1145.00	660.47 S 940.81 E	1.34
13800	39.33	142.00	100.00	13499.36	1204.75	710.21 S 981.09 E	1.58
13900	39.80	144.00	100.00	13576.45	1263.38	761.08 S 1019.42 E	1.76
14000	40.33	148.00	100.00	13652.98	1321.23	814.43 S 1055.41 E	2.63
14100	40.40	147.00	100.00	13729.17	1378.67	869.05 S 1090.20 E	0.65
14200	39.88	148.00	100.00	13805.61	1435.85	923.42 S 1124.84 E	0.83
14300	35.77	146.00	100.00	13884.58	1490.48	974.84 S 1158.23 E	4.30
14400	34.68	152.00	100.00	13966.27	1540.90	1024.25 S 1187.92 E	3.62

FINAL CLOSURE - DIRECTION: 130.769 DEGS CLOCKWISE FROM NORTH.  
DISTANCE: 1568.52 FEET

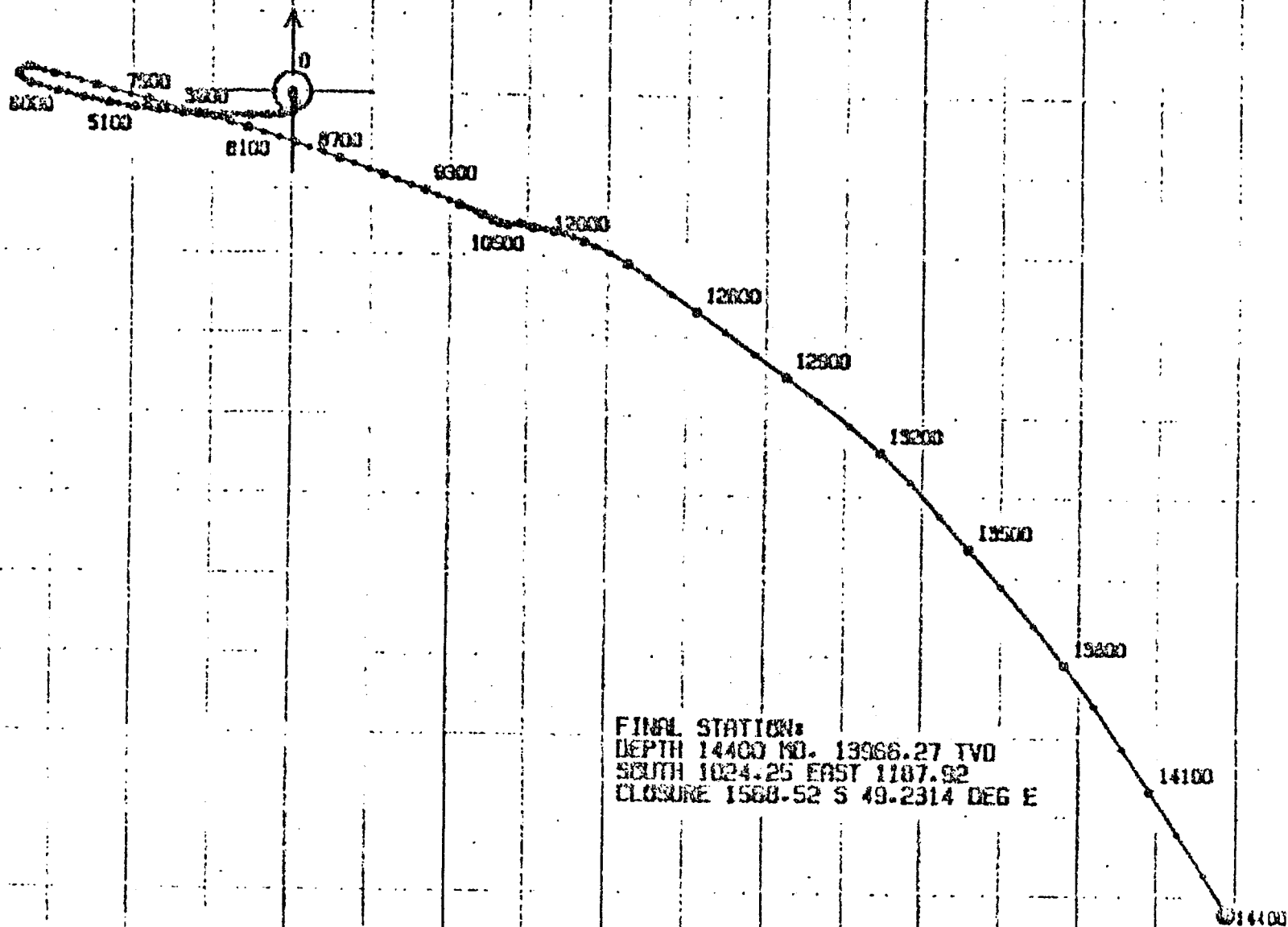


ANSCO PRODUCTION COMPANY  
WELL NAME: ANSCHUTZ RANCH EAST H20-04  
LOCATION: SUMMIT COUNTY, UTAH

EASTMAN WILPSTOCK, INC.

# HORIZONTAL PROJECTION

SCALE 1 IN. = 200 FEET  
DEPTH INDICATOR: MD



FINAL STATION:  
DEPTH 14400 MD. 13966.27 TVD  
SOUTH 1024.25 EAST 1187.92  
CLOSURE 1568.52 S 49.2314 DEG E



ANSCO PRODUCTION COMPANY  
WELL NAME: ANSCHUTZ RANCH EAST W20-04  
LOCATION: SUMMIT COUNTY, UTAH

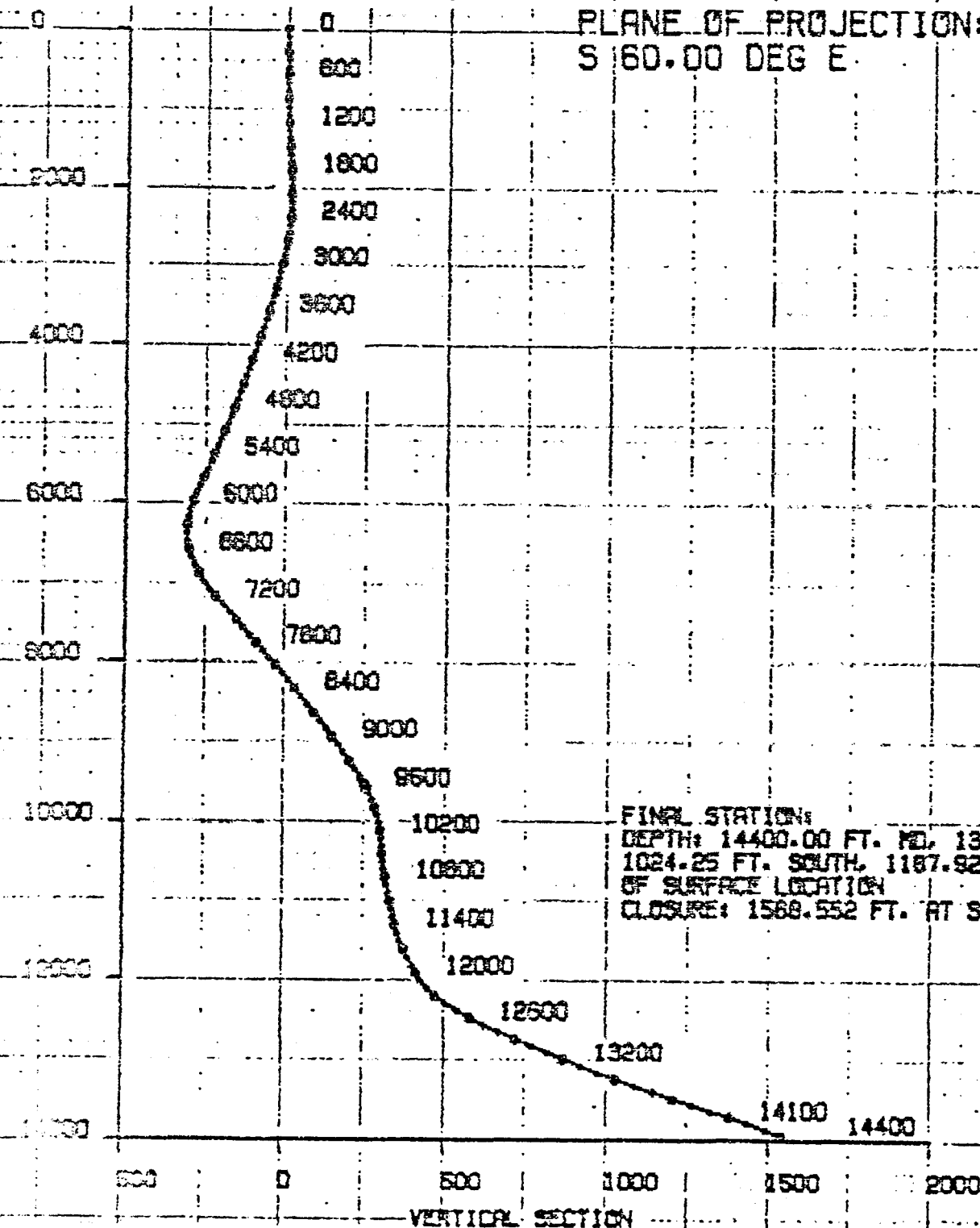
# VERTICAL PROJECTION

HORIZONTAL SCALE 1 IN. = 500 FE

VERTICAL SCALE 1 IN. = 2000 FE

ERSTEN WHIPSTOCK, INC.

PLANE OF PROJECTION:  
S 60.00 DEG E



FINAL STATION:  
DEPTH: 14400.00 FT. MD. 13866.27 FT. TVD  
1024.25 FT. SOUTH, 1187.92 FT. EAST  
OF SURFACE LOCATION  
CLOSURE: 1568.552 FT. AT S 49.2314 DEG E



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 3 of 3

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

DEMETRIA MARTINEZ  
AMOCO ROCMOUNT COMPANY  
PO BOX 800  
DENVER CO 80201

UTAH ACCOUNT NUMBER: N1390

REPORT PERIOD (MONTH/YEAR): 12 / 97

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entry	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
ANSCHUTZ RANCH EAST W16-12								
4304330231	04540	04N 08E 16	NGSD			Free		
ANSCHUTZ RANCH EAST W20-04								
4304330238	04540	04N 08E 20	NGSD			"		
ANSCHUTZ RANCH EAST W29-06A								
4304330250	04540	04N 08E 29	NGSD			"		
ANSCHUTZ RANCH EAST W29-14A								
4304330251	04540	04N 08E 29	NGSD			"		
ANSCHUTZ RANCH EAST E28-12								
4304330257	04540	04N 08E 28	NGSD			"		
ANSCHUTZ RANCH EAST W01-04								
4304330270	04540	03N 07E 1	NGSD			"		
ANSCHUTZ RANCH EAST W01-12								
4304330271	04540	03N 07E 1	NGSD			"		
ANSCHUTZ RANCH EAST W30-06								
4304330273	04540	04N 08E 30	NGSD			"		
ANSCHUTZ RANCH EAST W11-1								
4304330277	04540	03N 07E 11	NGSD			"		
ANSCHUTZ RANCH EAST W30-13								
4304330279	04540	04N 07E 25	NGSD			"		
ANSCHUTZ RANCH EAST W12-04								
4304330283	04540	03N 07E 2	NGSD			"		
ANSCHUTZ RANCH EAST W20-09								
4304330286	04540	04N 08E 20	NGSD			"		
ANSCHUTZ RANCH EAST W20-03								
4304330291	04540	04N 08E 20	NGSD			"		
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

Type of Well: OIL ☐ GAS ☒ OTHER: \_\_\_\_\_

5. Lease Designation and Serial Number: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name:  
Anschutz Ranch East7. Unit Agreement Name:  
W20-04

8. Well Name and Number: \_\_\_\_\_

9. API Well Number: \_\_\_\_\_

43-043-30238

10. Field and Pool, or Wildcat: \_\_\_\_\_

Nugget

County: Summit

State: Utah

2. Name of Operator: \_\_\_\_\_

Amoco Production Company

3. Address and Telephone Number: \_\_\_\_\_

P.O. Box 800, Rm 812B, Denver, CO 80201 (303) 830-4781

4. Location of Well \_\_\_\_\_

702' FNL, 414' FWL

Footages: \_\_\_\_\_

OO, Sec., T., R., M.: \_\_\_\_\_

Sec 20, T4N, R8E

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment               | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection   | <input type="checkbox"/> Shoot or Acidize     |
| <input checked="" type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

SUBSEQUENT REPORT  
(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Date of work completion \_\_\_\_\_

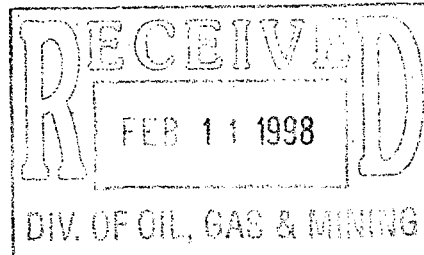
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company is now the operator of the above mentioned well. We will be operating under Utah Bond # 831094. This is effective 1/31/95.

If you require additional information, please contact Gigi Martinez @ (303) 830-4781.

Name & Signature: Gigi Martinez Permit Agent Title: \_\_\_\_\_ Date: 2/5/98

(Space for State use only)



State of Delaware  
Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF DISSOLUTION OF "AMOCO ROCMOUNT COMPANY", FILED IN THIS OFFICE ON THE THIRTY-FIRST DAY OF JANUARY, A.D. 1995, AT 10 O'CLOCK A.M.

A CERTIFIED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS FOR RECORDING.

*Change of operator. Amoco Rocmount to  
Amoco Production Co Effective 1/31/95*



0934277 8100  
950022938

*Edward J. Freel*  
Edward J. Freel, Secretary of State

AUTHENTICATION: 7391913  
DATE: 01-31-95

*ANN: Lisha Cordova  
801-359-3904*

*4 pages*

*Ed Hadlock  
Amoco Prod. Co  
303-830-4993*



## CERTIFICATE OF DISSOLUTION

OF

AMOCO ROCMOUNT COMPANY

AMOCO ROCMOUNT COMPANY, a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: That dissolution was authorized on January 19, 1995.

SECOND: That dissolution has been authorized by the unanimous written consent of all of the stockholders of the corporation entitled to vote on a dissolution in accordance with the provisions of subsection (c) of section 275 of the General Corporation Law of the State of Delaware.

THIRD: That the names and addresses of the directors and officers of AMOCO ROCMOUNT COMPANY are as follows:

DIRECTORSNAMES

J. M. Brown

J. M. Gross

D. H. Welch

ADDRESSES501 WestLake Park Boulevard  
Houston, TX 77079501 WestLake Park Boulevard  
Houston, TX 77079200 East Randolph Drive  
Chicago, IL 60601OFFICERSNAMES

J. M. Brown

M. R. Gile

J. N. Jagers

OFFICES

President

Vice President

Vice President

ADDRESS501 WestLake Park Blvd.  
Houston, TX 770791670 Broadway  
Denver, CO 802021670 Broadway  
Denver, CO 80202



<u>NAMES</u>	<u>OFFICES</u>	<u>ADDRESS</u>
D. H. Welch	Vice President	200 East Randolph Drive Chicago, IL 60601
J. M. Gross	Secretary	501 WestLake Park Blvd. Houston, TX 77079
R. B. Wilson	Assistant Secretary	1670 Broadway Denver, CO 80202
Rebecca Gormezano	Assistant Secretary	200 East Randolph Drive Chicago, IL 60601
C. F. Helm	Assistant Secretary	519 S. Boston Tulsa, OK 74103
A. L. Haws	Assistant Secretary	501 WestLake Park Blvd. Houston, TX 77079
Daniel B. Pinkert	Assistant Secretary	200 East Randolph Drive Chicago, IL 60601
G. L. Paulson	Assistant Secretary	1670 Broadway Denver, CO 80202
J. E. Rutter	Assistant Secretary	501 WestLake Park Blvd. - Houston, TX 77079
J. L. Siddall	Assistant Secretary	200 East Randolph Drive Chicago, IL 60601
M. J. Stonecipher	Assistant Secretary	519 S. Boston Tulsa, OK 74103
Rebecca S. McGee	Assistant Secretary	1670 Broadway Denver, CO 80202
Gerald M. Wilson	Assistant Secretary	200 East Randolph Drive Chicago, IL 60601
Marsha Williams	Treasurer	200 East Randolph Drive Chicago, IL 60601

IN WITNESS WHEREOF, said AMOCO ROCMOUNT COMPANY has caused this certificate to be signed by M. R. Gile, its Vice President, and attested by Rebecca S. McGee, its Assistant Secretary, this 26th day of January, 1995.

AMOCO ROCMOUNT COMPANY

ATTEST:

By Rebecca S. McGee  
Assistant Secretary

By M. R. Gile  
M. R. Gile, Vice President



STATE OF COLORADO )

CITY OF DENVER )

ss.

I, Sheila A. White, a Notary Public, do hereby certify that M. R. GILE and Robert S. McGee of the above named AMOCO ROCMOUNT COMPANY, personally known to me to be the same persons whose names are subscribed to the foregoing instrument as Vice President and Assistant Secretary, respectively, appeared before me this day in person, and acknowledged that they signed, sealed and delivered the said instrument as the free and voluntary act of said AMOCO ROCMOUNT COMPANY, and as their own free and voluntary act as Vice President and Assistant Secretary, respectively, for the uses and purposes therein set forth.

GIVEN under my hand and official seal this 26<sup>th</sup> day of January, 1995.

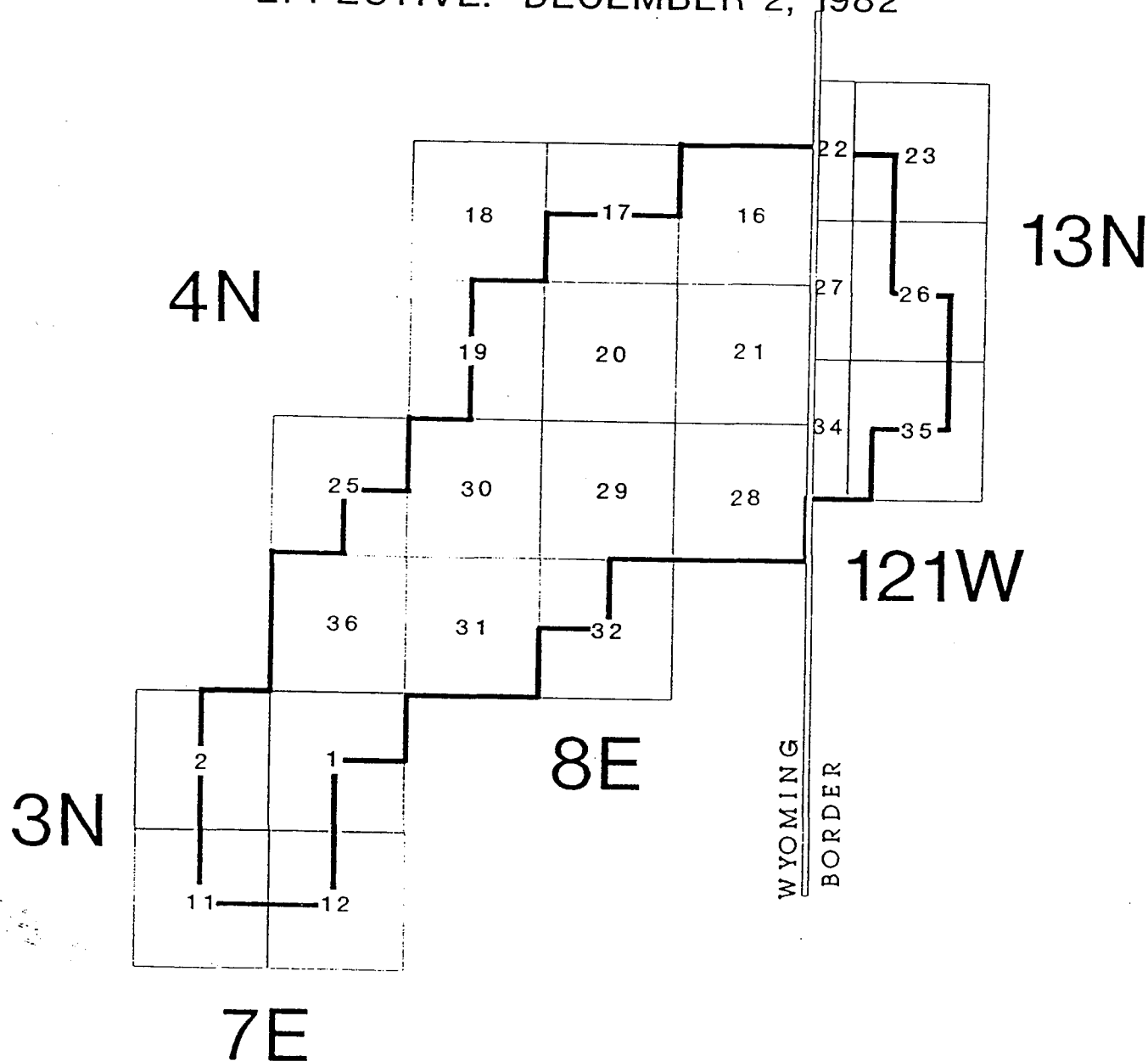
Sheila A. White  
Notary Public



# ANSCHUTZ RANCH EAST UNIT

## Summit County, Utah

EFFECTIVE: DECEMBER 2, 1982



— UNIT OUTLINE (UTU67938X)

AS CONTRACTED DECEMBER 1, 1992

22,158.00 ACRES





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

February 26, 1998

G. G. Martinez  
Amoco Production Company  
P. O. Box 800, Room 812B  
Denver, Colorado 80201

Re: Notification of Sale or Transfer of Fee Lease Interest

The Division has received notification of a change of operator from Amoco Rocmount Company to Amoco Production Company for the following wells which are located on fee leases:

<u>Well Name</u>	<u>Sec.-T.-R.</u>	<u>API Number</u>
(Anschutz Ranch East "ARE")		
ARE W20-08	20-04N-08E	43-043-30123
ARE 29-04ST1	29-04N-08E	43-043-30129
ARE E21-14	21-04N-08E	43-043-30130
ARE W21-04	21-04N-08E	43-043-30135
ARE W29-02	29-04N-08E	43-043-30136
ARE W16-06	16-04N-08E	43-043-30138
ARE W20-16	20-04N-08E	43-043-30148
ARE W30-16	30-04N-08E	43-043-30156
ARE W36-16	36-04N-07E	43-043-30157
ARE W20-06	20-04N-08E	43-043-30159
ARE W32-04	32-04N-08E	43-043-30162
ARE W31-08	31-04N-08E	43-043-30164
ARE W31-04	31-04N-08E	43-043-30165
ARE W17-16	17-04N-08E	43-043-30176
ARE W30-08	30-04N-08E	43-043-30183
ARE W30-14	30-04N-08E	43-043-30185
ARE W01-06	01-03N-07E	43-043-30188
ARE W31-12	31-04N-08E	43-043-30190
ARE W19-16	19-04N-08E	43-043-30204
ARE W30-10	30-04N-08E	43-043-30215
ARE W31-06	31-04N-08E	43-043-30217



Page 2

G. G. Martinez

Notification of Sale

February 26, 1998

ARE W20-12	20-04N-08E	43-043-30220
ARE E28-06	28-04N-08E	43-043-30226
ARE W36-10	36-04N-07E	43-043-30227
ARE W20-02	20-04N-08E	43-043-30228
ARE W20-10	20-04N-08E	43-043-30229
ARE W16-12	16-04N-08E	43-043-30231
ARE W20-04	20-04N-08E	43-043-30238
ARE W29-06A	29-04N-08E	43-043-30250
ARE W29-14A	29-04N-08E	43-043-30251
ARE E28-12	28-04N-08E	43-043-30257
ARE W01-04	01-03N-07E	43-043-30270
ARE W01-12	01-03N-07E	43-043-30271
ARE W30-06	30-04N-08E	43-043-30273
ARE W11-1	11-03N-07E	43-043-30277
ARE W30-13	25-04N-07E	43-043-30279
ARE W12-04	02-03N-07E	43-043-30283
ARE W20-09	20-04N-08E	43-043-30286
ARE W20-03	20-04N-08E	43-043-30291

Utah Administrative Rule R649-2-10 states; the owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Amoco Production Company of its responsibility to notify all individuals with an interest in these leases (royalty interest and working interest) of the change of operator. Please provide written documentation of this notification to:

Utah Royalty Owners Association  
Box 1292  
Roosevelt, Utah 84066



Page 3

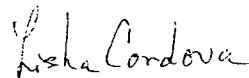
G. G. Martinez

Notification of Sale

February 26, 1998

Your assistance in this matter is appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Lisha Cordova".

Lisha Cordova

Admin. Analyst, Oil & Gas

cc: Amoco Rocmount Company, Ed Hadlock  
Utah Royalty Owners Association, Stephen Evans  
John R. Baza, Associate Director  
Operator File(s)



# **OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

1-REC	6-VLD
2-FILE	7-KAS
3-FILE	8-SI
4-VLD	9-FILE
5-JRB	

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 1-31-95

<b>TO:</b> (new operator) <u>AMOCO PRODUCTION COMPANY</u> (address) <u>PO BOX 800</u> <u>DENVER CO 80201</u>  Phone: <u>(303)830-5340</u> Account no. <u>N0050</u>	<b>FROM:</b> (old operator) <u>AMOCO ROCMOUNT COMPANY</u> (address) <u>PO BOX 800</u> <u>DENVER CO 80201</u> <u>ED HADLOCK</u>  Phone: <u>(303)830-5340</u> Account no. <u>N1390</u>
---	--

**WELL(S)** attach additional page if needed:

**\*ANSCHUTZ RANCH EAST UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-043-30238</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## **OPERATOR CHANGE DOCUMENTATION**

- Lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Reg. 2-19-98) (Rec'd 2-26-98)
- Lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 2-11-98)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- N/A 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- Lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (2-26-98) \*QuattroPro/41C "No Chg.", DBASE/41C "No Chg." (See comments)
- Lec 6. **Cardex** file has been updated for each well listed above. (2-26-98)
- Lec 7. Well **file labels** have been updated for each well listed above. (2-26-98)
- Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (2-26-98)
- Lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**



## ENTITY REVIEW

- Sec 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_ If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
4540 "Unit Entity"
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- Sec 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.  
Surety No. 831094 (80,000) Issued by Seaboard Surety Co. in behalf of Amoco Prod. Co. and Amoco Rockmount Co.
- Sec 2. A copy of this form has been placed in the new and former operator's bond files.
- Sec 3. The **FORMER** operator has requested a release of liability from their bond (yes/no) (no), as of today's date 2-19-98. If yes, division response was made to this request by letter dated \_\_\_\_.

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A/Sec 1. Copies of documents have been sent on \_\_\_\_ to \_\_\_\_ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- Sec 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated Feb. 26, 1998, of their responsibility to notify all interest owners of this change.

## FILMING

- VS 1. All attachments to this form have been **microfilmed**. Today's date: 3.20.98.

## FILING

- CHD 1. Copies of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

## COMMENTS

980219 Recognized opns. for Anschutz Ranch East Unit (State Unit) already Amoco Production Co.

\* UIC Wells (Disposal & Gas Injection) were never changed to Amoco Rockmount Company, no change necessary! They were changed in 3270 and have now been changed back to Amoco Prod. Co.



## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

FEE

8. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

Anschutz Ranch East

8. Well Name and Number:

W20-04

9. API Well Number:

43-043-30238

10. Field and Pool, or Wildcat:

Nuggett

County: Summit

State: Utah

## CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## NOTICE OF INTENT

(Submit in Duplicate)

## SUBSEQUENT REPORT

(Submit Original Form Only)

Abandonment

☐ New Construction

Casing Repair

☐ Pull or Alter Casing

Change of Plans

☐ Recompletion

Conversion to Injection

☐ Shoot or Acidize

Fracture Treat

☐ Vent or Flare

Multiple Completion

☐ Water Shut-Off

Other

☐ Abandonment☐ New Construction☐ Casing Repair☐ Pull or Alter Casing☐ Change of Plans☐ Shoot or Acidize☐ Conversion to Injection☐ Vent or Flare☐ Fracture Treat☐ Water Shut-Off☒ Other Coil Tubing

Date of work completion March 1997

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company proposes the following procedure:

1 3/4" Coil Tubing Pulled from the 1-04. Tubing landed at 13675'

Rig up

Pressure test to 3000 psi

Run down to 4322 set weld window, instack down hole anchor

Pressure up on window to 1500#

Open hanger start back in the hole with coil tubing

Run down to 13675'

Set anchor pulled 38,000#

Rig up N2 truck pump N2 at 1000 sqr min

Pull up 5 times to try to set anchor

No Luck handoff coil tubing with pepcore, bleed down 1 3/4 cut pipe.

Signature:

G. G. Marting

Title:

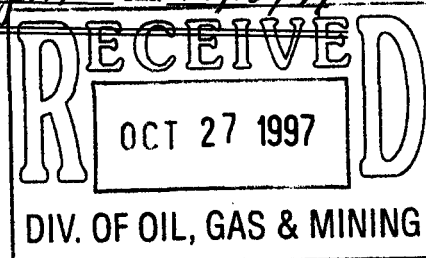
Permitting Agent

Date:

10/22/97

(Use for State use only)

(See Instructions on Reverse Side)



WO fax credit 12/97.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER See Attached

2. NAME OF OPERATOR:  
Amoco Production Company

3. ADDRESS OF OPERATOR:  
501 Westlake Park Blvd CITY Houston STATE TX ZIP 77079

PHONE NUMBER:  
(281) 366-5328

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached

COUNTY: See Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Amoco Production Company proposes to change its name to BP America Production Company, effective December 31, 2001. Mailing addresses and designated agents shall remain the same.

Attached to this sundry is a listing of wells currently operated by Amoco Production Company. This list includes all wells with the exception of those wells which have a plugged or D&A status.

Also attached for the Board's file is a copy of the Board Resolution approving the name change.

NAME (PLEASE PRINT) Alan Wood

TITLE Regulatory Engineer

SIGNATURE [Signature]

DATE 12/11/2001

(This space for State use only)

**RECEIVED**

DEC 13 2001

DIVISION OF  
OIL, GAS AND MINING



UNITED STATES OF AMERICA  
STATE OF TEXAS  
COUNTY OF HARRIS  
CITY OF HOUSTON

§  
§  
§  
§

CERTIFICATE

M. S. Haskins, of lawful age, first being duly sworn on oath, deposes and says:

1. That she is the duly elected, qualified and acting Assistant Secretary of Amoco Production Company, a corporation organized and existing under the laws of the State of Delaware, U.S.A.;

2. That on November 12, 2001, by consent action of the Board of Directors of Amoco Production Company (hereinafter referred to as "Company"), the following resolutions were adopted:

WHEREAS, in connection with BP America Inc.'s ("BP") integration of Atlantic Richfield Company ("ARCO") and Vastar Resources, Inc. ("Vastar"), BP has elected to reorganize, consolidate and merge its upstream onshore Lower 48 assets into a single legal entity to align BP's legal structure with its business organization and to improve operating efficiencies; and

WHEREAS, BP desires Amoco Production Company ("Company") to be such single legal entity for the purposes of such reorganization, consolidation and merger; and

WHEREAS such reorganization, consolidation and merger shall be accomplished by December 31, 2001 pursuant to a Reorganization Agreement ("Agreement") by and between ARCO and BP Company North America Inc. ("BP Company NA"), the parent of Company, resulting in ARCO's upstream onshore Lower 48 assets being transferred to Company and Vastar being merged into Company; and

WHEREAS, pursuant to such Agreement, asset, stock and liability transfers will occur in consideration for Class B common stock of BP Company NA and Company's agreement to assume all obligations and indemnify ARCO for all past and future liabilities relating to such transfers; and

WHEREAS, in connection with such reorganization, Company desires to change its name to BP America Production Company, effective December 31, 2001 with corporate seal as follows; and





WHEREAS all officers and directors of Company will remain unchanged.

NOW, THEREFORE, BE IT,

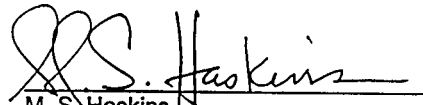
RESOLVED, Company will accept asset, stock and liability transfers effective December 31, 2001 pursuant to the Agreement and will assume all obligations and indemnify ARCO for all past or future liabilities relating to such transfers.

FURTHER RESOLVED, Company will change its name and corporate seal to BP America Production Company, effective December 31, 2001 and all officers and directors will remain unchanged.

3. That the aforesaid resolutions have not been amended, rescinded, or annulled, but remain in full force and effect on the date hereof.

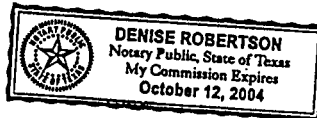
EXECUTED in the City of Houston, State of Texas, on this the 13 day of November, 2001.



  
M. S. Haskins

SUBSCRIBED and sworn to before me this 13 day of November, 2001.

(Notary Seal)



  
NOTARY PUBLIC, STATE OF TEXAS



API Well Number	Operator	Well Name	Well Type	Well Status	Field Name	Sec	Twp-Rng
43-043-30096-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W16-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	16	4N-8E
43-043-30106-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST 34-2	SWD	Active Well	ANSCHUTZ RANCH EAST	34	4N-7E
43-043-30123-00-00	AMOCO PRODUCTION CO	ARE W20-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30129-00-00	AMOCO PRODUCTION CO	ARE 29-04ST1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30130-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST E21-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	21	4N-8E
43-043-30135-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W21-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	21	4N-8E
43-043-30136-00-00	AMOCO PRODUCTION CO	ARE W29-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30138-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W16-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	16	4N-8E
43-043-30139-00-00	AMOCO PRODUCTION CO	ISLAND RANCHING C-1	SWD	Active Well	ANSCHUTZ RANCH EAST	26	4N-7E
43-043-30143-00-00	AMOCO PRODUCTION CO	CHAMPLIN 372 AMOCO C 1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	23	4N-7E
43-043-30145-00-00	AMOCO PRODUCTION CO	ARE W20-14	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30148-00-00	AMOCO PRODUCTION CO	ARE W20-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30154-00-00	AMOCO PRODUCTION CO	ARE W29-12	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30156-00-00	AMOCO PRODUCTION CO	ARE W30-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30157-00-00	AMOCO PRODUCTION CO	ARE W36-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	36	4N-7E
43-043-30159-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W20-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30161-00-00	AMOCO PRODUCTION CO	ISLAND RANCHING D-1	Gas Well	Shut_In	WEBER FORMATION	14	4N-7E
43-043-30162-00-00	AMOCO PRODUCTION CO	ARE W32-04	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	32	4N-8E
43-043-30164-00-00	AMOCO PRODUCTION CO	ARE W31-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30165-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W31-04 E	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30167-00-00	AMOCO PRODUCTION CO	ARE W36-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	36	4N-7E
43-043-30168-00-00	AMOCO PRODUCTION CO	CHAMPLIN 387 B1A	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	9	3N-7E
43-043-30170-00-00	AMOCO PRODUCTION CO	CHAMPLIN 372 D-1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	23	4N-7E
43-043-30176-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W17-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	17	4N-8E
43-043-30183-00-00	AMOCO PRODUCTION CO	ARE W30-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30185-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W30-14	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30188-00-00	AMOCO PRODUCTION CO	ARE W01-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	1	3N-7E
43-043-30190-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W31-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30204-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W19-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	19	4N-8E
43-043-30209-00-00	AMOCO PRODUCTION CO	ARE W1-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	1	3N-7E
43-043-30215-00-00	AMOCO PRODUCTION CO	ARE W30-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30216-00-00	AMOCO PRODUCTION CO	ARE W30-15	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30217-00-00	AMOCO PRODUCTION CO	ARE W31-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30218-00-00	AMOCO PRODUCTION CO	ARE W30-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E



[illegible]



**OPERATOR CHANGE WORKSHEET****ROUTING**

1. GLH		4-KAS
2. CDW✓		5-LP
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective: **12-31-2001**

<b>FROM: (Old Operator):</b>
AMOCO PRODUCTION COMPANY
Address: 501 WESTLAKE PARK BLVD
HOUSTON, TX 77079
Phone: 1-(281)-366-5328
Account N0050

<b>TO: ( New Operator):</b>
BP AMERICA PRODUCTION COMPANY
Address: 501 WESTLAKE PARK BLVD
HOUSTON, TX 77079
Phone: 1-(281)-366-5328
Account N1990

**CA No.****Unit: ANSCHUTZ RANCH EAST****WELL(S)**

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
ANSCHUTZ RANCH EAST W20-02	43-043-30228	4540	20-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W20-03	43-043-30291	4540	20-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W20-04	43-043-30238	4540	20-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W20-06	43-043-30159	4540	20-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W20-09	43-043-30286	4540	20-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W20-10	43-043-30229	4540	20-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W20-12	43-043-30220	4540	20-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST E21-14	43-043-30130	4540	21-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W21-04	43-043-30135	4540	21-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST E28-06	43-043-30226	4540	28-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST E28-12	43-043-30257	4540	28-4N-8E	FEE	GW	P
ARE 29-04ST1	43-043-30129	4540	29-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W29-02	43-043-30136	4540	29-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W29-12	43-043-30154	4540	29-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W29-06A	43-043-30250	4540	29-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W29-14A	43-043-30251	4540	29-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W30-08	43-043-30183	4540	30-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W30-10	43-043-30215	4540	30-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W30-14	43-043-30185	4540	30-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W30-16	43-043-30156	4540	30-4N-8E	FEE	GW	P

**OPERATOR CHANGES DOCUMENTATION**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/13/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 12/13/2001



3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 12/14/2001

4. Is the new operator registered in the State of Utah: YES Business Number: PENDING

5. If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change) for all wells listed on Federal or Indian leases on: N/A

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

#### DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 12/17/2001

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/17/2001

3. Bond information entered in RBDMS on: 12/11/2001

4. Fee wells attached to bond in RBDMS on: 12/17/2001

#### STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

#### INDIAN BOND VERIFICATION:

1. Indian well(s) covered by Bond No.: N/A

#### FEDERAL BOND VERIFICATION:

1. Federal well(s) covered by Bond No.: N/A

#### FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 103172911249

2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 12/19/2001

#### COMMENTS:

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

See Attached

8. WELL NAME and NUMBER:

See Attached

9. API NUMBER:

Attached

10. FIELD AND POOL, OR WILDCAT:

See Attached

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER See Attached

2. NAME OF OPERATOR:

BP America Production Company

3. ADDRESS OF OPERATOR:

501 WestLake Park Blv CITY Houston

STATE TX

ZIP 77079

PHONE NUMBER:

(281) 366-2000

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached

COUNTY: See Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT  
(Submit in Duplicate)  
Approximate date work will start:

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)  
Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BP America Production Company, effective May 1, 2003, has transferred its interest in the attached list of properties to :

Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240

Transfer of operations is effective July 1, 2003.

By Merit Energy Company

Name Frank N. Dign

Title V.P.

Signature [Signature]

Date 7/1/03

BP America Production Company

NAME (PLEASE PRINT)

David G. Peterson

Attorney-In-Fact

SIGNATURE

[Signature]

DATE

6/26/03

(This space for State use only)

RECEIVED

JUL 03 2003

DIV. OF OIL, GAS & MINING



BP OPERATED PROPERTIES TRANSFERRED TO MERIT ENERGY COMPANY

API Well Number	Operator	Well Name	Well Type	Well Status	Field Name	County Name	Location (Twp-Rng)	Section	Qtr/Qtr	Ft. NS	NS	Ft. EW	EW
43-043-30096-00-00	BP AMERICA PRODUCTION CO	ARE W16-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	16	NWSW	2137	S	686	W
43-043-30106-00-00	BP AMERICA PRODUCTION CO	ARE 34-2	Water Disposal	Active Well	ANSCHUTZ RANCH	SUMMIT	4N-7E	34	NWNW	1036	N	1100	W
43-043-30123-00-00	BP AMERICA PRODUCTION CO	ARE W20-08	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	SENE	2202	N	1592	E
43-043-30129-00-00	BP AMERICA PRODUCTION CO	ARE 29-04ST1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWNW	627	N	435	W
43-043-30130-00-00	BP AMERICA PRODUCTION CO	ARE E21-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	21	NWSW	2365	S	200	W
43-043-30135-00-00	BP AMERICA PRODUCTION CO	ARE W21-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	21	NWNW	1063	N	401	W
43-043-30136-00-00	BP AMERICA PRODUCTION CO	ARE W29-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWNE	662	N	2460	E
43-043-30138-00-00	BP AMERICA PRODUCTION CO	ARE W16-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	16	SENE	1314	N	618	E
43-043-30139-00-00	BP AMERICA PRODUCTION CO	ISLAND RANCHING C-1	Water Disposal	Active Well	ANSCHUTZ RANCH	SUMMIT	4N-7E	26	SWSE	1324	S	1722	E
43-043-30143-00-00	BP AMERICA PRODUCTION CO	CHAMPLIN 372 AMOCO C 1	Gas Well	Shut_In	ANSCHUTZ RANCH	SUMMIT	4N-7E	23	NWNW	860	N	536	W
43-043-30145-00-00	BP AMERICA PRODUCTION CO	ARE W20-14	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWSW	1518	S	1283	W
43-043-30148-00-00	BP AMERICA PRODUCTION CO	ARE W20-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	SWSE	257	S	1640	E
43-043-30154-00-00	BP AMERICA PRODUCTION CO	ARE W29-12	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWSW	2204	S	22	W
43-043-30156-00-00	BP AMERICA PRODUCTION CO	ARE W30-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NESE	1345	S	968	E
43-043-30157-00-00	BP AMERICA PRODUCTION CO	ARE W36-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	SESE	890	S	447	E
43-043-30159-00-00	BP AMERICA PRODUCTION CO	ARE W20-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWNW	1291	N	936	W
43-043-30162-00-00	BP AMERICA PRODUCTION CO	ARE W32-04	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	32	NWNW	642	N	791	W
43-043-30164-00-00	BP AMERICA PRODUCTION CO	ARE W31-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	NWNE	468	N	2201	E
43-043-30165-00-00	BP AMERICA PRODUCTION CO	ARE W31-04E	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	NWNW	111	N	737	W
43-043-30167-00-00	BP AMERICA PRODUCTION CO	ARE W36-08	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	SENE	1641	N	1183	E
43-043-30168-00-00	BP AMERICA PRODUCTION CO	CHAMPLIN 387 B1A	Gas Well	Shut_In	ANSCHUTZ RANCH	SUMMIT	3N-7E	9	SWNW	1837	N	1286	W
43-043-30170-00-00	BP AMERICA PRODUCTION CO	CHAMPLIN 372 D-1	Gas Well	Producing Well	ANSCHUTZ RANCH	SUMMIT	4N-7E	23	NESE	2170	S	680	E
43-043-30176-00-00	BP AMERICA PRODUCTION CO	ARE W17-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	17	NWSE	1765	S	1444	E
43-043-30183-00-00	BP AMERICA PRODUCTION CO	ARE W30-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	SENE	2109	N	665	E
43-043-30185-00-00	BP AMERICA PRODUCTION CO	ARE W30-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	SESW	1195	S	1405	W
43-043-30188-00-00	BP AMERICA PRODUCTION CO	ARE W01-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	SENW	1777	N	1666	W
43-043-30190-00-00	BP AMERICA PRODUCTION CO	ARE W31-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	SWNW	1778	N	640	W
43-043-30204-00-00	BP AMERICA PRODUCTION CO	ARE W19-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	19	SWSE	1229	S	1350	E
43-043-30209-00-00	BP AMERICA PRODUCTION CO	ARE W01-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	NENW	386	N	2013	W
43-043-30215-00-00	BP AMERICA PRODUCTION CO	ARE W30-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NWSE	2230	S	2432	E
43-043-30216-00-00	BP AMERICA PRODUCTION CO	ARE W30-15	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	SESW	626	S	2848	E
43-043-30217-00-00	BP AMERICA PRODUCTION CO	ARE W31-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	SENW	1397	N	2181	W
43-043-30218-00-00	BP AMERICA PRODUCTION CO	ARE W30-02	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NWNE	715	N	2182	E
43-043-30220-00-00	BP AMERICA PRODUCTION CO	ARE W20-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWSW	2531	S	7	W
43-043-30226-00-00	BP AMERICA PRODUCTION CO	ARE E28-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	28	SENW	1900	N	1652	W
43-043-30227-00-00	BP AMERICA PRODUCTION CO	ARE W36-10	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	NESW	2315	S	3185	E
43-043-30228-00-00	BP AMERICA PRODUCTION CO	ARE W20-02	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWNE	319	N	2000	E
43-043-30229-00-00	BP AMERICA PRODUCTION CO	ARE W20-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	SENW	2560	N	2567	W
43-043-30231-00-00	BP AMERICA PRODUCTION CO	ARE W16-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	16	SWNW	2756	S	454	W
43-043-30238-00-00	BP AMERICA PRODUCTION CO	ARE W20-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWNW	702	N	414	W
43-043-30248-00-00	BP AMERICA PRODUCTION CO	ARE W30-12A	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NWSW	1886	S	47	W
43-043-30250-00-00	BP AMERICA PRODUCTION CO	ARE W29-06A	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	SENW	1513	N	1548	W
43-043-30251-00-00	BP AMERICA PRODUCTION CO	ARE W29-14A	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWSW	1786	S	795	W
43-043-30255-00-00	BP AMERICA PRODUCTION CO	ARE W36-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	SESW	901	S	1780	W
43-043-30257-00-00	BP AMERICA PRODUCTION CO	ARE E28-12	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	28	NWSW	1994	S	806	W
43-043-30265-00-00	BP AMERICA PRODUCTION CO	ARE W2-10	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	2	NWSE	1959	S	1463	E
43-043-30270-00-00	BP AMERICA PRODUCTION CO	ARE W01-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	SWNW	697	N	465	W
43-043-30271-00-00	BP AMERICA PRODUCTION CO	ARE W01-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	NWSW	2072	S	1669	W
43-043-30272-00-00	BP AMERICA PRODUCTION CO	ARE W19-08	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	19	SENE	2227	N	301	E



BP OPERATED PROPERTIES TRANSFERRED TO MERIT ENERGY COMPANY

43-043-30273-00-00	BP AMERICA PRODUCTION CO	ARE W30-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30 SENW	2393 S	1645 W
43-043-30277-00-00	BP AMERICA PRODUCTION CO	ARE W11-1	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	11 NENE	533 N	1486 E
43-043-30279-00-00	BP AMERICA PRODUCTION CO	ARE W30-13	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	25 SESE	597 S	382 E
43-043-30280-00-00	BP AMERICA PRODUCTION CO	ARE W31-05	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31 SWNW	2361 N	282 E
43-043-30283-00-00	BP AMERICA PRODUCTION CO	ARE W12-04	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	2 SESE	373 S	865 E
43-043-30286-00-00	BP AMERICA PRODUCTION CO	ARE W20-09	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20 SENE	2360 N	430 E
43-043-30291-00-00	BP AMERICA PRODUCTION CO	ARE W20-03	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20 SESW	641 S	1810 W



## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

## X Change of Operator (Well Sold)

## Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

7/1/2003

FROM: (Old Operator):	TO: (New Operator):
N1990-BP America Production Company 501 WestLake Park Blvd Houston, TX 77079 Phone: (281) 366-2000	N4900-Merit Energy Company 13727 Noel Road, Suite 500 Dallas, TX 75240 Phone: (972) 628-1558

CA No.

Unit: ANSCHUTZ RANCH EAST

## WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
ARE W01-02	01	030N	070E	4304330209	4540	FEE	GW	P
ARE W01-04	01	030N	070E	4304330270	4540	FEE	GW	S
ARE W2-10	02	030N	070E	4304330265	99990	FEE	GI	I
ARE W36-10	36	040N	070E	4304330227	4540	FEE	GW	S
ARE W36-14	36	040N	070E	4304330255	4540	FEE	GW	S
ARE W16-12	16	040N	080E	4304330231	4540	FEE	GW	S
ARE W19-16	19	040N	080E	4304330204	4540	FEE	GW	S
ARE W20-12	20	040N	080E	4304330220	4540	FEE	GW	S
ARE W20-02	20	040N	080E	4304330228	4540	FEE	GW	S
ARE W20-10	20	040N	080E	4304330229	4540	FEE	GW	P
ARE W20-04	20	040N	080E	4304330238	4540	FEE	GW	S
ARE E28-06	28	040N	080E	4304330226	4540	FEE	GW	P
ARE E28-12	28	040N	080E	4304330257	4540	FEE	GW	P
ARE W29-06A	29	040N	080E	4304330250	4540	FEE	GW	P
ARE W29-14A	29	040N	080E	4304330251	4540	FEE	GW	P
ARE W30-10	30	040N	080E	4304330215	4540	FEE	GW	P
ARE W30-15	30	040N	080E	4304330216	4540	FEE	GW	P
ARE W30-02	30	040N	080E	4304330218	4540	FEE	GW	S
ARE W30-12A	30	040N	080E	4304330248	99990	FEE	GI	I
ARE W31-12	31	040N	080E	4304330190	4540	FEE	GW	S
ARE W31-06	31	040N	080E	4304330217	4540	FEE	GW	P

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 7/3/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/3/2003
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/7/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1348145-0143
5. If **NO**, the operator was contacted on: \_\_\_\_\_



6. (R649-9-2) Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: n/a

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 8/18/2003

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 8/26/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 8/26/2003
3. Bond information entered in RBDMS on: 8/26/2003
4. Fee wells attached to bond in RBDMS on: 8/26/2003

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: n/a

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: n/a

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 103912218
2. The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/26/2003

**COMMENTS:**





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 telephone

(801) 359-3940 fax

(801) 538-7223 TTY

www.nr.utah.gov

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

August 26, 2003

Bruce Williams  
BP America Production Company  
501 WestLake Park Blvd  
Houston, TX 77079

Subject: Notification of Sale or Transfer of Fee Lease Interest

Dear Mr. Williams:

The Division has processed your request for an operator change from BP America Production Company to Merit Energy Company effective July 1, 2003 for the attached list of fee wells.

Utah Administrative Code Rule R649-2-10 states: "The owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred".

This letter is written to advise you of your responsibility to notify all individuals with an interest in these leases (royalty interest and working interest) of the changer. Please provide written documentation of this notification to:

Utah Royalty Owners Association  
PO Box 1292  
Roosevelt, Utah 84066

Your assistance in this matter is appreciated.

Sincerely,

*Earlene Russell*  
Earlene Russell  
Engineering Technician

Attachment

cc: Merit Energy Company  
Utah Royalty Owners Association



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: BP AMERICA PRODUCTION COMPANY SUITE A		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 1013 CHEYENNE DR. CITY EVANSTON STATE WY ZIP 82930		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
4. LOCATION OF WELL FOOTAGES AT SURFACE: 702 FNL x 414 FWL		8. WELL NAME and NUMBER: ARE W20-4
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 20 4N 8E		9. API NUMBER: 4304330238
COUNTY: SUMMIT		10. FIELD AND POOL, OR WILDCAT: ANSCHUTZ RANCH EAST
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The ARE W20-04 is shut in and has not been plugged and abandoned due to potential for future downhole monitoring. BP's plan is to hold these wells in a Temporarily Abandoned status until this potential is verified or eliminated. Upon elimination of potential, the wells will be plugged and abandoned. As for mechanical integrity: These wells all have packers installed and casing pressure is monitored by our field personnel. The wellhead valves are also on a regular PM for greasing and testing.

Please call Kris Lee at 303-423-5749 or Clark Lawler at 307-783-2406 if you have questions.

COPY SENT TO OPERATOR

Date: 11-19-03  
Initial: CLD

RECEIVED

MAR 27 2003

DIV. OF OIL, GAS & MINING

**THIS SUNDRY IS BEING RETURNED; INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION (see attached sheet).**

*[Signature]*  
November 19, 2003  
Utah Division of Oil, Gas and Mining

NAME (PLEASE PRINT) Kristina A. Lee	TITLE Regulatory Specialist
SIGNATURE <i>Kristina A. Lee</i>	DATE 3/17/2003

(This space for State use only)



## ***INFORMATION REQUIRED TO EXTEND SI/TA OF WELL***

Well Name and Number: ARE W20-4  
API Number: 43-043-30238  
Operator: Merit Energy Company  
Reference Document: Original Sundry dated March 17, 2003, received by  
DOGM on March 27, 2003

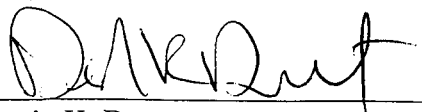
The well has been Shut-in/Temporarily Abandoned for 6 years 1 month. Insufficient information was submitted to the Division to approve the referenced well for continued Shut-in or Temporary Abandonment (SI/TA). The following requirements of R649-3-36 have not been met with this request for SI/TA approval.

1. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
2. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment. (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram and;
2. Copy of recent casing pressure test and/or;
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity and;
4. Fluid level in the wellbore and;
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

  
Dustin K. Doucet  
Petroleum Engineer

November 19, 2003

Date





State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

January 22, 2004

CERTIFIED MAIL #7002 0510 0003 8602 4798

Lance Taylor  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240-7312

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases.

Dear Mr. Taylor:

Merit Energy Company, as of January 2004, has twenty-four (24) Fee Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in or temporary abandonment status. This includes twenty (20) Fee Lease Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



Page 2  
January 22, 2004  
Lance Taylor

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Sincerely,



Dustin K. Doucet  
Petroleum Engineer

jc  
cc: John Baza  
Well File



	Well Name	API	Lease Type	Years Inactive
1	ARE W20-06	43-043-30159	Fee	1 Year 2 Months
2	ARE W31-04E	43-043-30165	Fee	1 Year 3 Months
3	ARE W36-10	43-043-30227	Fee	1 Year 3 Months
4	ARE W36-08	43-043-30167	Fee	1 Year 7 Months

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003				
1	ARE W21-04	43-043-30135	Fee	1 Year 10 Months
2	Champlin 372 Amoco C1	43-043-30143	Fee	1 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	1 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	2 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	3 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	4 Years 5 Months
7	ARE W30-06	43-043-30273	Fee	5 Years 4 Months
8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months

Attachment A





State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

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*Lieutenant Governor*

January 22, 2004

CERTIFIED MAIL #7002 0510 0003 8602 4798

Lance Taylor  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240-7312

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Page 2  
January 22, 2004  
Lance Taylor

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1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
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4. Fluid level in the wellbore, and
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Sincerely,



Dustin K. Doucet  
Petroleum Engineer

jc  
cc: John Baza  
Well File



	Well Name	API	Lease Type	Years Inactive
1	ARE W20-06	43-043-30159	Fee	1 Year 2 Months
2	ARE W31-04E	43-043-30165	Fee	1 Year 3 Months
3	ARE W36-10	43-043-30227	Fee	1 Year 3 Months
4	ARE W36-08	43-043-30167	Fee	1 Year 7 Months

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE W21-04	43-043-30135	Fee	1 Year 10 Months
2	Champlin 372 Amoco C1	43-043-30143	Fee	1 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	1 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	2 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	3 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	4 Years 5 Months
7	ARE W30-06	43-043-30273	Fee	5 Years 4 Months
8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months





## MERIT ENERGY COMPANY

13727 Noel Road, Suite 500  
Dallas, TX 75240  
Ph: 972-701-8377 Fx: 972-960-1252  
[www.meritenergy.com](http://www.meritenergy.com)

Date: February 13, 2004

Subject: Extended Shut-in wells in the Anschutz Ranch East Field

Dear Mr. Doucet:

In response to your letter dated January 22, 2004, I would like to submit the attached supporting documentation regarding our extended shut-in wells. Merit Energy Company purchased an operating interest in the Anschutz Ranch East Unit from BP Production Company effective July 1, 2003, and has spent the last seven months evaluating the production capability of all active and inactive wells in the field. This process has resulted in workovers that have reestablished production in several of these wells, and revealed future opportunities for all of the others. Here is a quick synopsis of our plans for each well.

- **ARE W20-06-** Workover is planned to immediately reactive this well by running smaller tubing, and putting the well on gas lift. Should be reactivated by mid year 2004.
- **ARE W31-04-** BP attempted a directional reentry of this wellbore in 2001, during which time the drill pipe was inadvertently cemented in the horizontal section of the wellbore. Merit is investigating methods to effectively stimulate this wellbore and return it to production. If unable to do so, it will be plugged.
- **ARE W36-10-** This well will be the first test candidate for an experimental production method for artificial lifting gas wells. An electric submersible pump will be run in this well in the next couple of months in an attempt to reestablish production by removing large volumes of water from the formation. If this project is successful it could lead to the reactivation of virtually every inactive well in the field. The project is approved internally, and we are waiting on equipment and supplies before mobilizing a service rig.
- **ARE W36-08-** This well has been reactivated following a workover last fall. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W21-04-** Surface tubing pressure indicates this well may be capable of producing again. However attempts to return this well to production with the current wellbore configuration have not been successful. Merit plans to install smaller tubing and gas lift on this well. If that is unsuccessful, this well is also a candidate for an electric submersible pump installation. If all attempts to reactivate the Nugget formation fail, this well is a recompletion candidate in the Twin Creek formation.
- **Champlin 372 C-1-** This well is capable of producing for a few days at a time, but quickly loads up with water and dies. Again, this well is a candidate for an electric submersible pump installation, or may be used as a salt water disposal well if additional capacity is needed due to the ESP program.
- **ARE W16-06-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W01-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-02-** An attempt was made to return this well to production last fall, but was unsuccessful due to high water production. Pending the success of the W36-10, this well will also have an electric submersible pump installed.
- **ARE W36-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-06-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W20-02-** A workover has been approved internally to reactivate this well, and should begin in the next few weeks. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W30-13-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W19-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.

RECEIVED

FEB 20 2004

DIV. OF OIL, GAS & MINING



- **ARE W20-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W31-12-** An attempt was made to reactivate this well in late 2003, but was unsuccessful. A sundry notice was filed and approved by the Utah Oil and Gas Commission. An uphole recompletion in the Twin Creek formation is planned and will be completed in the next few months.
- **ARE W01-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W11-01-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W20-03-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W16-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE W16-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **Champlin 387 B-1A-** Merit Energy is in the process of obtaining records from BP for this well. Once historical information is obtained, we will evaluate all feasible methods to return this well to producing status. Otherwise it will be plugged.
- **ARE W17-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE E21-14-** This well was returned to producing status on 12/19/03.

In addition to this information, I have enclosed pressure data for all wells, and a wellbore schematic for all wells except the Champlin 387 B-1A. The static bottom hole pressures and static fluid levels were collected in September 2003 with bottom hole gauges. If you need any further information, please contact me at 972-628-1651 or electronically at [lance.taylor@meritenergy.com](mailto:lance.taylor@meritenergy.com).

Regards,

  
Lance L. Taylor  
Operations Engineer

Cc: Rusty Ginnetti  
Arlene Valliquette  
Dennis Longwell

Attachments: (1) page of pressure data, (23) wellbore schematics



Return-path: <Lance.Taylor@meritenergy.com>  
Received: from imail.meritenergy.com [208.133.141.18]  
by UTSTDP13.state.ut.us; Tue, 24 Feb 2004 07:06:49 -0700  
Subject: Anschutz Ranch East Unit  
To: clintondworshak@utah.gov  
Cc: Rusty Ginnetti <Rusty.Ginnetti@meritenergy.com>,  
Arlene Valliquette <Arlene.Valliquette@meritenergy.com>,  
Dennis Longwell <Dennis.Longwell@meritenergy.com>  
X-Mailer: Lotus Notes Release 5.0.10 March 22, 2002  
Message-ID: <OF2FAC50A1.BE12C251-ON86256E44.004B0584-  
86256E44.004D8670@meritenergy.com>  
From: Lance Taylor <Lance.Taylor@meritenergy.com>  
Date: Tue, 24 Feb 2004 08:06:46 -0600  
X-MIMETrack: Serialize by Router on imail/Meritenergy(Release 6.0.3|September 26, 2003) at  
02/24/2004 08:06:49 AM  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Mr. Dworshak,

I'd like to confirm our 2/23/04 telephone conversation in response to my letter dated 2/13/04 regarding extended shut in and temporarily abandoned wellbores in the Anschutz Ranch East Unit ("ARE Unit") of Summit county Utah. It is Merit Energy Company's intention to utilize each wellbore to it's full capacity. As such, Merit is in the process of attempting to reactivate the wellbores in question. Several wellbore specific workovers have been identified, and the approximate timing of each is mentioned in my original letter.

However, the majority of the reactivation work depends on the successful utilization of electric submersible pumps for artificial lift. It is the timing of this project that I would like to address. As you know, this is a capital intensive project, so Merit plans to do the appropriate research prior to implementation. Merit intends to test the idea on the ARE W36-10 within the next 8-12 weeks. Following a 4-12 week test period, Merit will perform a strenuous economic and operational evaluation. If it is determined that the project is valid, full scale implementation could begin as early as June. However, due to the complexity of the equipment, depth of the wells, and unavailability of service rigs, Merit anticipates this project will take several months, possibly one year, to complete. Due to the large volumes of water to be produced by this project, it is likely that one or more of the shut in wells will need to be reactivated as salt water disposal wells. All regulatory and state documentation will be completed prior to SWD conversion.

Finally, if the ESP project is unsuccessful, several of these wellbore have recompletion potential in shallower formations. Specifically, Merit has identified the Jurassic aged Twin Creek formation as a possible recompletion target. Completion practices must be researched and developed in order to ensure economic quantities of hydrocarbons. Again, all state and federal permits will be approved prior to project implementation.



If after all our efforts to economically reactivate these wells fail, Merit Energy will begin the plug and abandonment process. I trust this will clear up any issues of timing. If you have further questions or concerns please feel free to contact me at any of the numbers below.

Regards,

Lance L. Taylor  
Operations Engineer-Rockies Region  
Merit Energy Company  
direct: 972-628-1651  
fax: 972-701-0351  
mobile: 972-998-9116  
[lance.taylor@meritenergy.com](mailto:lance.taylor@meritenergy.com)





State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

March 5, 2004

CERTIFIED RETURN RECEIPT NO. 7002 0510 0003 8602 4880

Mr. Lance Taylor  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated January 22, 2004.

Dear Mr. Taylor,

The Division of Oil, Gas and Mining (DOGM) is in receipt of your letter dated February 13, 2004 in regards to the twenty-four (24) shut-in wells operated by Merit Energy Company (Merit). DOGM accepts Merit's plan of action to recompleat all twenty-four wells by year-end 2004. Many of the recompleatons are dependent upon the success of electric submersible pumps; if this experimental procedure is not successful, keep the Division advised of any changes in Merit's plan of action. Based upon the plan of action and other information provided, DOGM approves the twenty-four (24) wells for extended shut-in until January 1, 2005. Please submit recompleatn procedures and notice of intent sundries upon finalization.

For reference, Attachment A lists the wells subject to this request. If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

Dustin Doucet  
Petroleum Engineer



	Well Name	API	Lease Type	Years Inactive
1	ARE W20-06	43-043-30159	Fee	1 Year 2 Months
2	ARE W31-04E	43-043-30165	Fee	1 Year 3 Months
3	ARE W36-10	43-043-30227	Fee	1 Year 3 Months
4	ARE W36-08	43-043-30167	Fee	1 Year 7 Months

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE W21-04	43-043-30135	Fee	1 Year 10 Months
2	Champlin 372 Amoco C1	43-043-30143	Fee	1 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	1 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	2 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	3 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	4 Years 5 Months
7	ARE W30-06	43-043-30273	Fee	5 Years 4 Months
8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months





MERIT ENERGY COMPANY

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13727 Noel Road · Suite 500 · Dallas, Texas 75240  
Ph 972.701.8377 · Fx 972.960.1252 · [www.meritenergy.com](http://www.meritenergy.com)

January 7, 2005

State of Utah – Department of Natural Resources  
Division of Oil, Gas, & Mining  
Attn: Mr. Dustin Doucet  
PO Box 145801  
Salt Lake City, UT 84114-5801

Dear Mr. Doucet:

This letter is in response to a telephone conversation that I had with Clint Dworshak on December 6, 2004. At that time, he requested that I provide information on Merit Energy Company's shut-in wells at Anschutz Ranch East, proving that the ground waters are protected.

Enclosed, please find a summary sheet, as well as wellbore diagrams for the subject wells.

If you have any questions or wish to discuss this further, please contact me at (972) 628-1550 or electronically at [mike.mercer@meritenergy.com](mailto:mike.mercer@meritenergy.com).

Sincerely,

Michael L. Mercer  
Engineering



# UTAH DOGM – SI WELL LIST

## Wells to be Reactivated in 2005

- CHAMPLIN 372 C1
  - Packer at 8,320 (MD) 6,648 (TVD)
  - Top of cement (TOC) at 4,906
  - Tubing Pressure 1250#
  - Casing Pressure 0#
  - The 4-1/2" liner is cemented in place at 5090 (below the TOC). The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-06
  - Packer at 13,398
  - Top of cement (TOC) at 12,640
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - The packer is located below the TOC. When Merit set the packer in October 2004, we pressure tested the annulus to 500 psi and it held. Therefore, the casing has integrity and the ground waters are protected.
- ARE W30-02
  - Packer at none
  - Top of cement (TOC) at 12,452
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 8200' from Surface
  - On 09/02/03, Merit ran a packer in this well and sat it at 13055' (below the TOC). The casing and packer were pressure tested to 1500 psi and held. The packer has since been removed and there is open-ended tubing in the well. However, the casing has integrity and the ground waters are protected.
- ARE W36-14
  - Packer at 13,988
  - Top of cement (TOC) at 13,700
  - Tubing Pressure 400#
  - Casing Pressure 0#
  - The packer is set below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W30-06
  - Packer at 13,450
  - Top of cement (TOC) at 11,200 (7" casing)
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - The packer is set below the TOC. The 9-5/8" casing string has cement f/ 11911-7940. The 13-3/8" casing has cement f/ 5745-1200. With no pressure on the casing, and three strings of casing (7", 9-5/8", 13-3/8"), the ground waters are protected.
- ARE W30-13
  - Packer at 12,320
  - Top of cement (TOC) at 12,200
  - Tubing Pressure 300#
  - Casing Pressure 0#
  - The packer is set below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.



## UTAH DOGM – SI WELL LIST

- ARE W31-12
  - Packer at none
  - Top of cement (TOC) at 10,700
  - Casing Pressure 100#
  - Fluid Level 1000' from Surface
  - There is not a packer or tubing in this well. The static fluid level is 1000' from surface. There is a 13-3/8" casing string set at 2846', a 9-5/8" casing string set at 10272', and a 7" tie-back casing string set at 9919'. These three casing strings are protecting the ground waters.

### Wells with No Immediate Plans

- ARE W31-04
  - Packer at 14,000
  - Top of cement (TOC) at 11,900
  - Tubing Pressure 1100#
  - Casing Pressure 50#
  - This well is a horizontal sidetrack. The primary cement job on the original production casing had a TOC at 11,900. The kick-off point for the horizontal leg is below this depth. Additionally, the drill string was cemented in the horizontal section with the TOC estimated to be between 13126 and 13310. Based on the fact that the tubing and casing pressures are different, the two are not in communication and therefore, the ground waters are protected.
- ARE W01-12
  - Packer at 14,317
  - Top of cement (TOC) at 14,290
  - Tubing Pressure 300#
  - Casing Pressure 0#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W19-16
  - Packer at 9,756
  - Top of cement (TOC) at unknown
  - Tubing Pressure 1000#
  - Casing Pressure 0#
  - The packer is located in the "Tie-Back" casing string. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W20-04
  - Packer (PBR) at 10,489
  - Top of cement (TOC) at 9,415 (9-5/8" & 9-7/8" casing string)
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 9600' from Surface
  - The tubing is tied into the 5" liner with a polish bore receptacle (PBR) at 10,489. The TOC for the intermediate casing is above this point (at 9,415). The static fluid level is at 9600' (below the TOC), therefore, the ground waters are protected.
- ARE W01-04
  - Packer at 13,891
  - Top of cement (TOC) at 13,600
  - Tubing Pressure 1400#
  - Casing Pressure 100#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.



## UTAH DOGM – SI WELL LIST

- ARE W11-01
  - Packer at 12,733
  - Top of cement (TOC) at 12,100
  - Tubing Pressure 1500#
  - Casing Pressure 50#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W20-03
  - Packer at 13,271
  - Top of cement (TOC) at 12,600
  - Tubing Pressure 1400#
  - Casing Pressure 75#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-14
  - Packer (PBR) at 10,500
  - Top of cement (TOC) at 9,650 (9-5/8" casing)
  - Tubing Pressure 1500#
  - Casing Pressure 850#
  - The tubing is tied into the 4-1/2" liner with a PBR at 10,500. This is below the TOC for the 9-5/8" casing string. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-12
  - Packer at 10,304
  - Top of cement (TOC) at 10,100 (9-5/8" casing)
  - Tubing Pressure 50#
  - Casing Pressure 0#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- CHAMPLIN 387 B1A
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 5200' from surface
  - Merit has no wellfiles regarding this well. We are currently trying to obtain information on this well
- ARE W17-16
  - Packer (PBR) at 10,237
  - Top of cement (TOC) at 10,371 (7-5/8" casing)
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 8400' from Surface
  - The tubing is tied into the 5" liner with a PBR at 10,237. There is a 13-3/8" casing string set at 2526', a 9-5/8" casing string set at 10701', and a 7" tie-back casing string set at 10237'. These three casing strings are protecting the ground waters.







# MERIT ENERGY COMPANY

## Anschutz Ranch East Unit

	WELLS	API Number	Tubing Pressure	Casing Pressure	STATUS ON / OFF	Static BHP	Static Fluid Level
1	ARE# W20-06	43-043-30159	100	200	Shut In	1835	7500-9000'
2	ARE# W31-04E	43-043-30165	1200	0	Shut In	?	?
3	ARE# W36-10	43-043-30227	100	0	Shut In	3042	7500-9000'
4	ARE# W36-08	43-043-30167	100	100	Producing	2844	6000-7500'

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE# W21-04	43-043-30135	1850	450	Shut In	4130	12000'
2	Champlin 372 Amoco #C-1	43-043-30143	0	0	Shut In	?	?
3	ARE# W16-06	43-043-30138	0	0	Shut In	?	?
4	ARE# W01-12	43-043-30271	600	0	Shut In	4181	7500-9000'
5	ARE# W30-02	43-043-30218	0	0	Shut In	?	?
6	ARE# W36-14	43-043-30255	2200	1500	Shut In	3420	Perfs
7	ARE# W30-06	43-043-30273	0	0	Shut In	2397	6000-7500'
8	ARE# W20-02	43-043-30228	100	100	Shut In	?	?
9	ARE# W30-13	43-043-30279	900	0	Shut In	3030	7500-9000'
10	ARE# W19-16	43-043-30204	1400	0	Shut In	2645	Perfs
11	ARE# W20-04	43-043-30238	0	0	Shut In	?	?
12	ARE# W31-12	43-043-30190	20	450	Shut In	3494	4500-6000'
13	ARE# W01-04	43-043-30270			Shut In	4505	7500-9000'
14	ARE# W11-01	43-043-30277	1300	50	Shut In	4575	6000-7500'
15	ARE# W20-03	43-043-30291	1800	75	Shut In	3890	10500'
16	ARE# W16-14	43-043-30096	0	800	Shut In	4570	6000-7500'
17	ARE#16-12	43-043-30231	0	0	Shut In	4781	1500-3000'
18	Champlin 387 #B-1A	43-043-30168	0	0	Shut In	?	?
19	ARE# W17-16	43-043-30176	1100	0	Shut In	4734	3000-4500'
20	ARE# E21-14	43-043-30130	200	150	Producing	3926	Perfs

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DIV. OF OIL, GAS & MINING



## Anschutz Ranch East Unit

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

Chumplin 372 → Pressure from 0 to 1250 psi (tubing) No FL parts @ 6648' <sup>222</sup> BHP = 3420 psi  
ARE 36-14 → ~~Gas~~ pressure from 1500 to 0 ~~FL~~ press from 2200 to 400 FL @ 4006' <sup>FL @ 4006'</sup> BHP = 3420 psi  
(1732 psi surf)  
Grid = 0.0867 psi/ft  
Current FL @ 10000'  
FEB 20 2004  
S65??  
ARE W16-14 → Tbg from 0 to 1500 psi,  
csj remained @ 1850 psi. FL @ 6000', parts @ 2286' BHP = 4570 psi Grid = 0.0867 psi/ft  
DIV. OF OIL, GAS & MINING  
ARE W17-16 → Tbg from 1100 to 0 FL @ 4000' parts @ 3706' BHP = 4734 psi Grid = 0.315 psi/ft  
FL from 4000' to 8400' FL @ 8400' Grid = 0.690 psi/ft



**From:** Mike Mercer <Mike.Mercer@meritenergy.com>  
**To:** "Dustin Doucet" <dustindoucet@utah.gov>  
**Date:** 4/7/2005 3:12:05 PM  
**Subject:** Re: SI/TA integrity questions

On the W16-14, the production foreman did have to replace the gauge to get the new (correct) reading.

On the W17-16, the pressures and fluid levels were actually taken off of a swab report (they did not get "static" readings), which explains why the fluid level (and tubing pressure) was so much lower.

Hope this takes care of you, if not, please call.

Thanks

Michael L. Mercer  
Engineering  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240  
(972) 628-1550 Direct  
(972) 960-1252 Fax

"Dustin Doucet"  
<dustindoucet@utah.gov>  
03/11/2005 04:14 PM  
To  
<Mike.Mercer@meritenergy.com>  
cc  
Subject  
Re: SI/TA integrity questions

Mike,

Thanks for the info. A couple more questions. On the 16-14 and 17-16 do you figure the readings or gauges were incorrect last year or is there some other reason for the change in pressures?

Dustin



>>> Mike Mercer <Mike.Mercer@meritenergy.com> 03/11/05 1:48 PM >>>

Dustin,

Sorry it has taken me so long to get back with you...in response to your email, most are easily explained...(see below in red)

Regarding the W30-14, we are installing ESPs on either side of this well, we have a service company designing gas lift for this well and are evaluating a reactivation following the ESP installations. If we do not have the well reactivated in the next couple of months, I will provide you with the wellbore diagram, pressures, and fluid level.

Let me know if you need anything else. Thanks

Michael L. Mercer  
Engineering  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240  
(972) 628-1550 Direct  
(972) 960-1252 Fax

"Dustin Doucet"

<dustindoucet@uta

h.gov>

To

<mike.mercer@meritenergy.com>

02/16/2005 04:04

cc

PM

Subject

SI/TA integrity questions



Mike,

I finally looked at the packet you provided us at our January 10th meeting and had questions that you may be able to answer on four wells.

My questions deal with pressure and fluid level changes that I didn't have enough info to explain why they changed. Also, I want to give you

a heads up that another well came on to the SI/TA list this year. It is

the ARE W 30-14 (API 43-043-30185). A similar plan/integrity scenario will have to be followed on this well as we've done with the current SI/TA wells. The four wells that I had questions on are as follows:

Champlin 372 - Tbg pressure went from 0 last year to 1250 psi this year ~~SWAB TESTED 2004~~

ARE W 36-14 - Tbg pressure went from 2200 to 400 psi, csg pressure went -

from 1500 to 0 WE PULLED THE OLD PKR, RAN A TEST PKR, ~~SWABBED TESTED, AND~~

~~RAN THE ESP (WE HAVE HAD PROBLEMS, BUT WE HAVE ESTABLISHED COMMERCIAL PRODUCTION)~~

ARE W 16-14 - Tbg pressure went from 0 to 1500 psi, csg pressure did stay constant at ~ 850psi which is probably good, although pressure on the backside doesn't make me feel all warm and fuzzy WE HAVE NOT DONE ANYTHING

ARE W 17-16 - Tbg pressure went from 1100 to 0 psi, FL went from 4000' to 8400' opposite of what you would expect hydrostatically based off of

the pressure change ~~SWAB TESTED 2004 (FUTURE ESP INSTALLATION)~~

All in all I don't have a lot of concern for lack of integrity, but if you could provide me with some explanations as to why some of these changes occurred on these 4 wells, I would appreciate it. The good news

is that you are reactivating two of the four wells this year.

Hopefully, this email makes some sense. Give me a call if you like and

we can discuss or respond via email. Thanks.

Dustin

Dustin Doucet  
Petroleum Engineer





MERIT ENERGY COMPANY

13727 Noel Road · Suite 500 · Dallas, Texas 75240  
Ph 972.701.8377 · Fx 972.960.1252 · www.meritenergy.com

November 10, 2004

State of Utah – Department of Natural Resources  
Division of Oil, Gas, & Mining  
Attn: Mr. Dustin Doucet  
PO Box 145801  
Salt Lake City, UT 84114-5801

Dear Mr. Doucet:

In a letter dated February 13, 2004, Merit Energy Company informed the DOGM of plans to reactivate twenty-four (24) shut-in wells. Based on this information, on March 5, 2004, the DOGM granted Merit a shut-in extension until January 1, 2005. In April, the engineer working the Anschutz Ranch East (Anschutz) field left Merit. He was replaced by a second engineer that left Merit in August. As a result of this turnover, there has been no continuity at Anschutz. Regretfully, Merit will not have these wells reactivated by January 1, 2005.

I took over as the Operations Engineer at Anschutz in August. On October 6, 2004, I called to discuss this situation with you. You requested that Merit submit a letter stating what work has been completed as well as our future plans.

The largest problem at Anschutz is water. Several wells have loaded up and died as a result of water production. Merit has been investigating several methods to remove the water and reestablish commercial gas production.

"Co-production"

As outlined in the February letter, Merit had plans to attempt "co-production" at Anschutz. "Co-production" is simply utilizing an electric submersible pump (ESP) to remove the water. Our first test candidate was the ARE W36-10. On July 15, 2004, we started the ESP. To date, results have been exceptional. The maximum gas rate that we have seen is 355 mcf/d. This is more than enough to justify the cost of the installation. Average production has been 200 mcf/d and 1200 bwpd.

The only drawback to "co-production" is installing power to location. Without knowing how the well will perform, Merit is hesitant to invest the capital upfront for power installation. Additionally, it took the power company approximately six months to perform the installation.

Although Merit is pleased with the results of "co-production", we have developed a new plan. We are currently preparing a generator to provide temporary power to location. Future installations will be performed on a temporary basis. If the well proves to be a success, an order for permanent power will be placed with the power company. This allows Merit the flexibility to test several shut-in wells without spending unnecessary capital.

We are currently in the process of preparing the ARE W16-06 for an ESP installation. Additional wells that are currently identified for potential ESP installations are the ARE W30-02, W30-06, W30-13, and W36-14. Merit anticipates having these wells tested during 2005. Further installations will be determined based on the success of the above mentioned wells.

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STATE OF UTAH, DEPT. OF OIL, GAS & MINING



Capillary Strings

Merit has also begun utilizing capillary strings to inject soap downhole to assist the well in lifting the produced water. We currently have five (5) capillary strings in service at Anschutz and are planning on installing four (4) more before the end of the year.

Gas Lift

Although gas lift is not new to Anschutz, Merit has been trying to extend its capabilities. Our first hurdle regarding gas lift is obtaining additional lift gas capacity. We currently utilize sales gas for gas lift. Based on our current compression, we are limited to 4 mmcf of lift gas. In addition to increasing our gas lift capability, Merit is exploring the idea of utilizing nitrogen for gas lift.

With that being said, we currently have seventeen wells capable of being gas lifted. Due to our limited lift gas capacity, only six (6) wells are currently being gas lifted.

Additionally, Merit is working with several service companies to explore ways to gas lift from below the packer. There are several wells at Anschutz that have one to two thousand feet of pay. As a result, conventional gas lift may or may not be effective. We have tried one method of gas lifting from below the packer and the results are great. However, this method is not a "cure-all". It will only work on select wells. We will continue to look for wells capable of being lifted in this manner. We are in the process of identifying a candidate to test another method of gas lifting from below the packer. As soon as the well is identified, the installation will be performed.

While Merit is still in the early phase of developing completion techniques to adequately produce the wells at Anschutz, we are making great progress. We have had to think "out-of-the-box" to come up with creative ways to remove the water and increase the gas and are exhausting all resources to improve production and reduce idle wellbores.

I have attached the February 13 letter as well as our current plans for the 24 wells.

If you have any questions or require additional information, please contact me at (972) 628-1550 or electronically at [mike.mercer@meritenergy.com](mailto:mike.mercer@meritenergy.com).

Sincerely,



Michael L. Mercer  
Operations Engineering





## MERIT ENERGY COMPANY

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13727 Noel Road, Suite 500  
Dallas, TX 75240  
Ph: 972-701-8377 Fx: 972-960-1252  
[www.meritenergy.com](http://www.meritenergy.com)

Date: February 13, 2004

Subject: Extended Shut-in wells in the Anschutz Ranch East Field

Dear Mr. Doucet:

In response to your letter dated January 22, 2004, I would like to submit the attached supporting documentation regarding our extended shut-in wells. Merit Energy Company purchased an operating interest in the Anschutz Ranch East Unit from BP Production Company effective July 1, 2003, and has spent the last seven months evaluating the production capability of all active and inactive wells in the field. This process has resulted in workovers that have reestablished production in several of these wells, and revealed future opportunities for all of the others. Here is a quick synopsis of our plans for each well.

- **ARE W20-06-** Workover is planned to immediately reactive this well by running smaller tubing, and putting the well on gas lift. Should be reactivated by mid year 2004.
- **ARE W31-04-** BP attempted a directional reentry of this wellbore in 2001, during which time the drill pipe was inadvertently cemented in the horizontal section of the wellbore. Merit is investigating methods to effectively stimulate this wellbore and return it to production. If unable to do so, it will be plugged.
- **ARE W36-10-** This well will be the first test candidate for an experimental production method for artificial lifting gas wells. An electric submersible pump will be run in this well in the next couple of months in an attempt to reestablish production by removing large volumes of water from the formation. If this project is successful it could lead to the reactivation of virtually every inactive well in the field. The project is approved internally, and we are waiting on equipment and supplies before mobilizing a service rig.
- **ARE W36-08-** This well has been reactivated following a workover last fall. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W21-04-** Surface tubing pressure indicates this well may be capable of producing again. However attempts to return this well to production with the current wellbore configuration have not been successful. Merit plans to install smaller tubing and gas lift on this well. If that is unsuccessful, this well is also a candidate for an electric submersible pump installation. If all attempts to reactivate the Nugget formation fail, this well is a recompletion candidate in the Twin Creek formation.
- **Champlin 372 C-1-** This well is capable of producing for a few days at a time, but quickly loads up with water and dies. Again, this well is a candidate for an electric submersible pump installation, or may be used as a salt water disposal well if additional capacity is needed due to the ESP program.
- **ARE W16-06-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W01-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-02-** An attempt was made to return this well to production last fall, but was unsuccessful due to high water production. Pending the success of the W36-10, this well will also have an electric submersible pump installed.
- **ARE W36-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-06-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W20-02-** A workover has been approved internally to reactivate this well, and should begin in the next few weeks. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W30-13-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W19-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.



- **ARE W20-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W31-12-** An attempt was made to reactivate this well in late 2003, but was unsuccessful. A sundry notice was filed and approved by the Utah Oil and Gas Commission. An uphole recompletion in the Twin Creek formation is planned and will be completed in the next few months.
- **ARE W01-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W11-01-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W20-03-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W16-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE W16-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **Champlin 387 B-1A-** Merit Energy is in the process of obtaining records from BP for this well. Once historical information is obtained, we will evaluate all feasible methods to return this well to producing status. Otherwise it will be plugged.
- **ARE W17-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE E21-14-** This well was returned to producing status on 12/19/03.

In addition to this information, I have enclosed pressure data for all wells, and a wellbore schematic for all wells except the Champlin 387 B-1A. The static bottom hole pressures and static fluid levels were collected in September 2003 with bottom hole gauges. If you need any further information, please contact me at 972-628-1651 or electronically at [lance.taylor@meritenergy.com](mailto:lance.taylor@meritenergy.com).

Regards,

  
Lance L. Taylor  
Operations Engineer

Cc: Rusty Ginnetti  
Arlene Valliquette  
Dennis Longwell

Attachments: (1) page of pressure data, (23) wellbore schematics



	Well Name	API	Lease Type	Years Inactive
1	ARE W20-06	43-043-30159	Fee	1 Year 2 Months
2	ARE W31-04E	43-043-30165	Fee	1 Year 3 Months
3	ARE W36-10	43-043-30227	Fee	1 Year 3 Months
4	ARE W36-08	43-043-30167	Fee	1 Year 7 Months

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE W21-04	43-043-30135	Fee	1 Year 10 Months
2	Champlin 372 Amoco C1	43-043-30143	Fee	1 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	1 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	2 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	3 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	4 Years 5 Months
7	ARE W30-06	43-043-30273	Fee	5 Years 4 Months
8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months



## UTAH DOGM – SI WELL LIST

- **ARE W20-06** – worked over in 2004, selectively swab tested individual zones. Installed gas lift (GL) equipment. Currently intermittently producing when lift gas is available.
- **ARE W31-04** – no immediate plans, will evaluate for reactivation.
- **ARE W36-10** – installed ESP. The well is producing.
- **ARE W36-08** – the well was reactivated in the fall of 2003. A capillary string was installed in September 2004. The well is producing.
- **ARE W21-04** – worked over in 2004. Installed GL equipment. Currently intermittently producing when lift gas is available.
- ✓ **CHAMPLIN 372 C1** – swabbed in October 2004. Swab results were encouraging. There are no production facilities or flowlines in place. We are in the process of purchasing a gas testing unit. Once the unit is in our possession, we will flow test this well and evaluate the economics of installing surface facilities.
- ✓ **ARE W16-06** – swabbed in November 2004. Currently sizing ESP and reconditioning generator for test. Anticipate having ESP running by end of the year.
- **ARE W01-12** – no immediate plans, will evaluate for reactivation.
- **ARE W30-02** – plan to install ESP in 2005 for test.
- **ARE W36-14** – plan to install ESP in 2005 for test.
- **ARE W30-06** – plan to install ESP in 2005 for test.
- **ARE W20-02** – worked over in 2004. Installed GL equipment. Currently intermittently producing when lift gas is available.
- **ARE W30-13** – plan to install ESP in 2005 for test.
- **ARE W19-16** – no immediate plans, will evaluate for reactivation.
- **ARE W20-04** – no immediate plans, will evaluate for reactivation.
- ✓ **ARE W31-12** – plan to test the Nugget, if unsuccessful, will attempt a Twin Creek completion.
- **ARE W01-04** – no immediate plans, will evaluate for reactivation.
- **ARE W11-01** – no immediate plans, will evaluate for reactivation.
- **ARE W20-03** – no immediate plans, will evaluate for reactivation.
- **ARE W16-14** – no immediate plans, will evaluate for reactivation.
- **ARE W16-12** – no immediate plans, will evaluate for reactivation.
- **CHAMPLIN 387 B1A** – no immediate plans, will evaluate for reactivation.
- **ARE W17-16** – no immediate plans, will evaluate for reactivation.
- **ARE E21-14** – the well was reactivated in December 2003. The well is producing.





## State of Utah

### Department of Natural Resources

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas & Mining

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 8, 2005

Merit Energy Company  
Attn: Michael L. Mercer  
13727 Noel Road, Suite 500  
Dallas, Texas 75240

Re: Approval for Extension of Shut-in or Temporarily Abandoned Status for Wells  
on Fee or State Leases

Dear Mr. Mercer:

The Division of Oil, Gas and Mining (the "Division") is in receipt of your letters dated November 10, 2004 (received by the Division on November 12, 2004) and January 7, 2005 (received by the Division on January 10, 2005) in regards to the twenty-four (24) shut-in wells operated by Merit Energy Company ("Merit"). The Division understands that six of these wells were put back into production in 2004. Merit's original plan was to return all twenty-four wells to production in 2004. Because of power restrictions, etc., Merit was unable to achieve that target. It is now the Division's understanding that Merit plans to return seven more wells to production in 2005 by installing an ESP. The Division understands that Merit is also investigating other methods to assist in lifting the water (e.g. capillary strings). Depending on the success of the wells with ESP's installed, the wells currently on Gas Lift, and the success of the other methods, the remaining 11 wells will either be plugged or put into production.

Based on the submitted information and plan of action, the Division approves your request for extended SI/TA for the eighteen (18) remaining SI/TA wells (see attachment A) until January 1, 2006. The operator should continue to monitor the wells by documenting pressures and fluid levels on a periodic basis. Any significant change in pressure or fluid level should be reported to the Division immediately. Remedial action may be necessary.

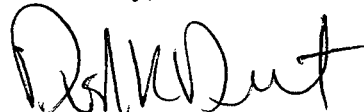
In addition to the twenty-four wells mentioned above, Merit also has one new well for 2005 that requires approval for extended SI/TA. The well is the ARE W30-14 (API # 43-043-30185). Our records indicate that this well has been SI/TA since February of 2003. Merit must submit their future plans for this well and information that demonstrates the well has integrity and is not a risk to public health and safety or the environment (R649-3-36-1.1 to 1.3).



Page 2  
Merit Energy Company  
April 8, 2005

The required information should be submitted to the Division within 30 days of the date of this letter or further actions may be initiated. If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dustin Doucet', with a stylized flourish at the end.

Dustin Doucet  
Petroleum Engineer

DKD:jc  
Attachment  
cc: Well File



# ATTACHMENT A

4N8E20

	Well Name	API	Lease Type	Years Inactive
1	ARE W31-04E	43-043-30165	Fee	2 Year 3 Months
2	Champlin 372 Amoco C 1	43-043-30143	Fee	2 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	2 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	3 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	4 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	5Years 5 Months
7	ARE W30-06	43-043-30273	Fee	6 Years 4 Months
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16	ARE W16-12	43-043-30231	Fee	9 Years 3 Months
17	Champlin 387 B1A	43-043-30168	Fee	9 Years 6 Months
18	ARE W17-16	43-043-30176	Fee	9 Years 7 Months



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: Merit Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 13727 Noel Road, Suite 500 CITY Dallas STATE TX ZIP 75240		7. UNIT or CA AGREEMENT NAME: WYW109406X
PHONE NUMBER: (972) 628-1658		8. WELL NAME and NUMBER: ARE W 20 04
4. LOCATION OF WELL FOOTAGES AT SURFACE: 702' FNL & 414' FWL 6th P.M. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 20 T4N R8E		9. API NUMBER: 4304330238
		10. FIELD AND POOL, OR WILDCAT: Anschutz Ranch East
		COUNTY: Summit
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 2/8/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Installed Gas Lift</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Merit Energy Company installed gas lift on the aforementioned well on 2/08/2007.

CC: BLM - Utah

NAME (PLEASE PRINT) <u>Michal Karam White</u>	TITLE <u>Regulatory Anlayst</u>
SIGNATURE <u></u>	DATE <u>5/15/2009</u>

(This space for State use only)

RECEIVED  
MAY 19 2009  
DIV. OF OIL, GAS & MINING



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
2. NAME OF OPERATOR: MERIT ENERGY COMPANY		8. WELL NAME and NUMBER: ARE W20-04
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500, Dallas, TX, 75240		9. API NUMBER: 43043302380000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0702 FNL 0414 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 20 Township: 04.0N Range: 08.0E Meridian: S		9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST
		COUNTY: SUMMIT
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>7/1/2015</b>	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Merit Energy Company plans to Plug and Abandon the ARE 20-04 in mid 2015 depending on weather restrictions. Please find the Procedure and WBD attached.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** October 02, 2014

**By:** 

**Please Review Attached Conditions of Approval**

NAME (PLEASE PRINT) Ross King	PHONE NUMBER 972 628-1041	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 7/8/2014





**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43043302380000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Amend Plug #1: Spot 100' (10 sx minimum) on top of CIBP @ 13451' to adequately isolate open perfs as required by R649-3-24-3.3.2.**
- 3. Add Plug #1A: Perf 5" liner @ 11750'. Establish injection into perfs. RIH with CIGR and set at 11700'. M&P 19 sx cement, sting into CIGR, pump 14 sx, sting out and dump 5 sx on top of CIGR. This will isolate the Twin Creek formation.**
- 4. Amend Plug #3: This plug shall be and inside/outside plug and moved uphole approximately 958'. RIH and perforate 7" and 9 5/8" @ 6959'. Establish injection into perfs. RIH with CIGR and set at 6909'. Sting into CIGR and establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. Close 9 5/8" casing valve and attempt to establish injection into 9 5/8" perfs. If injection into the 9 5/8" perfs cannot be established: M&P 66 sx cement, sting into CIGR pump 36sx, sting out and dump 30 sx on top of CIGR. If injection is established: M&P 159 sx cement, sting into CIGR, open 13 3/8" casing valve, pump 102 sx, close 13 3/8" casing valve and open the 9 5/8" casing valve and pump 27 sx into perfs, sting out and dump 30 sx on top of CIGR. This will isolate the Gannett Formation.**
- 5. Amend Plug #5: This plug shall be and inside/outside plug and moved uphole approximately 596'. RIH and perforate 7" and 9 5/8" @ 2100'. Establish injection into perfs. RIH with CIGR and set at 2050'. Sting into CIGR and establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. Close 9 5/8" casing valve and attempt to establish injection into 9 5/8" perfs. M&P 68 sx cement, sting into CIGR, open 13 3/8" casing valve, pump 41 sx, close 13 3/8" casing valve and open the 9 5/8" casing valve and pump 15 sx into perfs, sting out and dump 12 sx on top of CIGR. This will isolate the base of fresh water as required by R649-3-24-3.3.**
- 6. Note Plug #5: All annuli shall be cemented from a minimum depth of 100' to the surface. Perf 7" and 9 5/8" @ 100' and circulate cement to surface (±57sx) if 1" not feasible .**
- 7. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 8. Surface reclamation shall be done in accordance with R649-3-34 - Well Site Restoration.**
- 9. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 10. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (of c) or 801-733-0983 (home) prior to continuing with the procedure.**
- 11. All other requirements for notice and reporting in the Oil and Gas Conservation general rules shall apply.**



9/8/2014

## Wellbore Diagram

r263

API Well No: 43-043-30238-00-00

Permit No:

Well Name/No: ARE W20-04

Company Name: MERIT ENERGY COMPANY

Location: Sec: 20 T: 4N R: 8E Spot: NWNW

Coordinates: X: 493840 Y: 4546820

Field Name: ANSCHUTZ RANCH EAST

County Name: SUMMIT

## String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	1/cu
HOL1	5346	17.5			
SURF	5346	13.375	61		
SURF	5346	13.375	61		
SURF	5346	13.375 x 9 5/8" 72		(0.3032) → 3.298	
HOL2	11902	12.25 x 9 5/8" w/10%		(0.4887) → 2.0461	
II	11902	9.625	47		
II	11902	9.625	62.8		
HOL3	14588	8.5 x 5" w/10%		(0.3430) → 2.9153	
I2	11808	7.625	44.6		
I2	11808	7.625 x 9 5/8" 44.6		(0.1010) → 9.906	
PROD	10417	7 x 9 5/8" 32		(0.1438) → 6.956	
PROD	10417	7	32	(0.2025) → 4.937	
LI	14588	5"		(0.1134) → 8.817	
		5" x 7 5/8"		(0.1030) → 9.706	

## Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
II	11902	9415	H x P	3325
I2 7 5/8"	11808	EST 11338'	UK (H)	43
L1 5"	14588	EST 13171'	UK (H)	440
PROD 7"	10417	EST 9901'	H	70
SURF	5346	0	H x A	2970

## Perforation Information

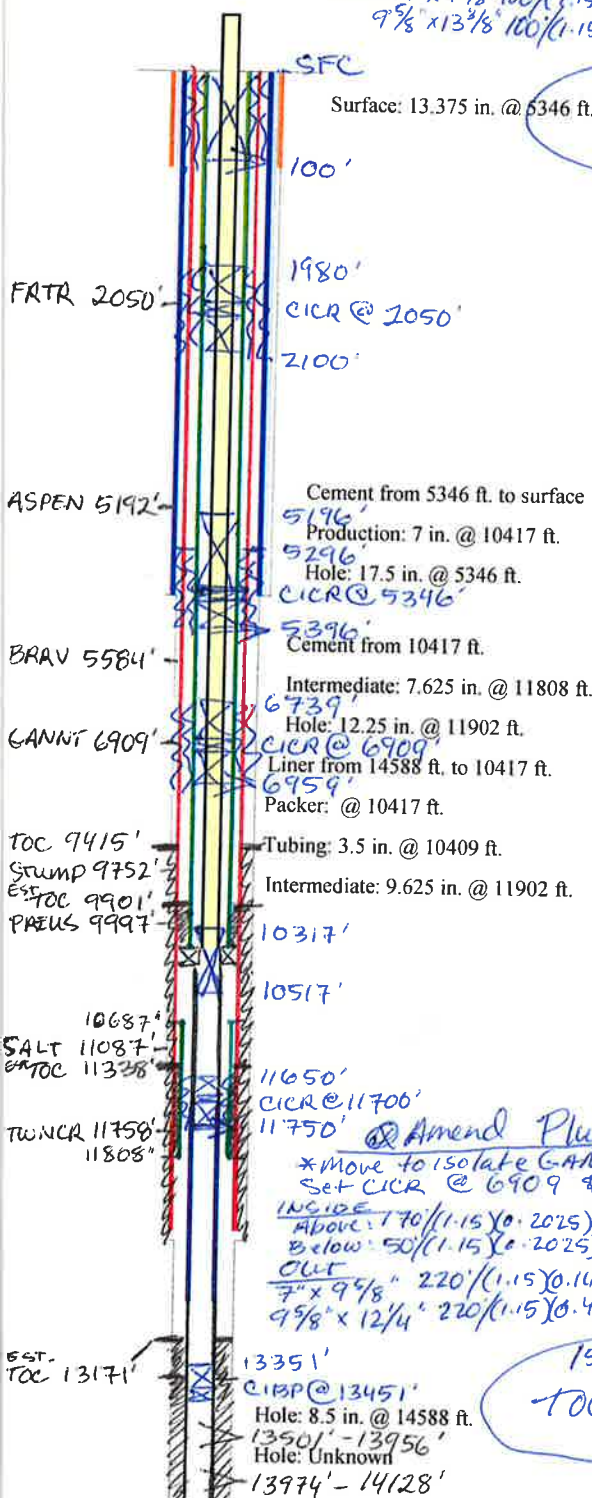
Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
13501	13956			
13974	14128			

INSIDE: Above: 150'/(1.15)(0.2025) = 265x  
Below: 50'/(1.15)(0.2025) = 95x

OUT: 7" x 9 5/8" 100'/(1.15)(0.1438) = 135x  
9 5/8" x 12 1/4" 50'/(1.15)(0.4887) = 215x  
9 5/8" x 13 3/8" 50'/(1.15)(0.3032) = 135x

## Formation Information

Formation	Depth
FRTR	2050
ASPEN	5192
BRRVR	5584
GANNNT	6906
STUMP	9752
PREUS	9997
SALT	11087
TWNCR	11758
NGSD	13501



TD: 14650 TVD: 14403 PBTD: 14453

Amend Plug # 1

\* Move CIBP w/in 50' of perfs; set @ 13451'  
Spot 100' on top of CIBP  
100'/(1.15)(0.1134) = 105x TOC @ 13351'

INSIDE: Above: 50'/(1.15)(0.1134) = 55x  
Below: 50'/(1.15)(0.1134) = 55x

OUT: 5" x 7 5/8" 100'/(1.15)(0.1030) = 95x

195x Reg TOC @ 11650'



## **ARE W 20-04**

API #: 43-043-30238

**Current Status:** Shut-in

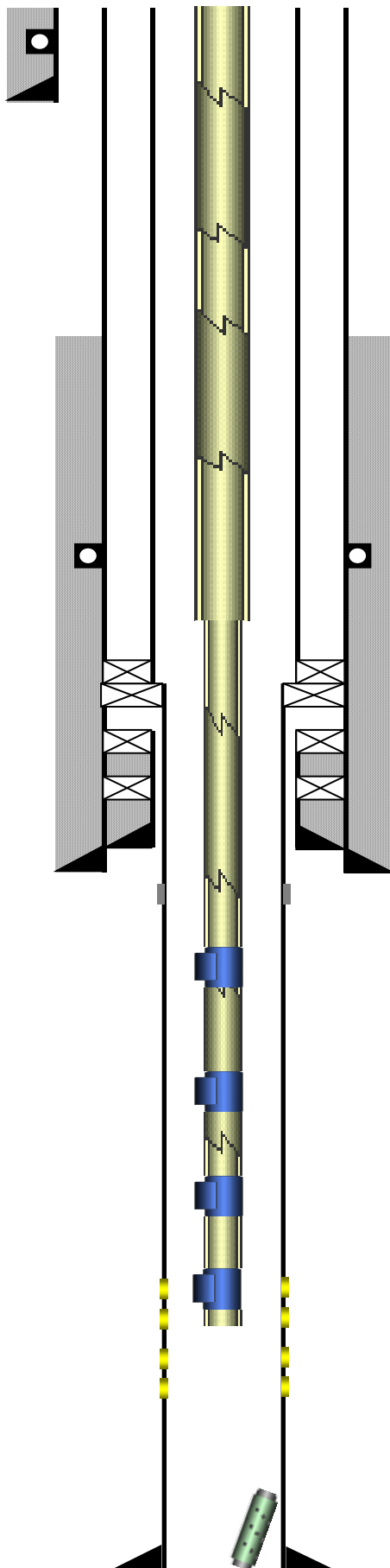
**Future Plan:** Plug and Abandon (PA) – Procedure Attached

**Reason:** Vey near 20-06 which is a better candidate. P & A 20-04 as it has limited potential and other nearby wells will drain this area of the reservoir.

### **OPERATIONAL PROCEDURE 20-4**

1. Test anchors. MIRUSU.
2. ND WH and NU BOP.
3. TOOH with 3 1/2" tbg. \*\*split string w/138 jts 2 3/8" on bottom.
4. MIRU E-line and run GR/JB to 14,128'. POOH and PU 5" CIBP, RIH and set CIBP @ 13,401'.
5. Dump bail 35' of cement on top of CIBP.
6. PU work string, TIH to CIBP. Circulate gas/oil out of hole. SI backside and pressure test casing to 500 psi. If casing does not test P/U packer & locate casing leaks.
7. If casing tests, spot 9 ppg gel to 10,517'
8. Pull tubing to 10,517' spot 200' cement plug across liner top.
9. POOC spot 9 ppg mud to 7,917'
10. RU wireline RIH and perforate @ 7,917'. TIH w/7" CICR & set @ 7,817'
11. Open 9 5/8" annulus valve. Est rate & pump 150' AV + 100% excess below CICR. Sting out, spot 170' cement on top.
12. POOC spot 9 ppg gel to 5,396'
13. RU wireline and shoot 4 holes in the prod casing 50' below the surface shoe at 5,396'.
14. PU CICR, RIH and set 50' above perms @ +/-5,346'.
15. Dig out and expose 13, 3/8" surface valve and open.
16. Establish circulation up both annuli through retainer.
17. After gaining circulation, pump cement sufficient for 100' annular volume (50' in and out plug) plus casing volume from retainer to perms in 9 5/8".
18. Close 9 5/8" valve, pump cement sufficient for 100' annular volume in 13 3/8".
19. Sting out of retainer and spot 150' cement on top of CICR.
20. POOC pump 9 ppg gel to 2,696'
21. Pull tubing to 2,696' & spot 120' balanced cement plug
22. POOC pump 9 ppg gel to 100'
23. TOOH, ND BOP and RDSU.
24. Dig out and cut wellhead 3' below ground level.
25. Run in with 1" poly pipe to 100' and circulate cement to surface in production casing.
26. Fill 9 5/8" & 13 3/8" w/100' cement using poly pipe.
27. Weld on dry hole plate w/ legal ID. Backfill cellar.





WELL NAME: ARE W20-04			FIELD: ANSCHUTZ RANCH EAST		
QTR QTR:	SEC:	20	TWN:	4N	RNG: 8E
COUNTY:	SUMMIT	ST:	UT	SPUD DATE:	10/27/83
KB: 7482	GL: 7456	TD: 14643	PBTD: 14384	API: 43-043-30238	
LAST UPDATED:		06/04/14	BY:	Max Berglund	

**CASING DETAILS**

PURPOSE	SIZE	WEIGHT	GRADE	SET DEPTH
SURFACE	13-3/8"	61-72#	N-80, S-80	5346'
INTERMEDIATE	9-5/8", 9-7/8"	47-62.8#	S-95...P-110	11901'
INTERMEDIATE	7-5/8"	44.67#	L-80, P-110	F/10687-11808
PRODUCTION	5"	18#	N-80	F/10417-14585
PRODUCTION	7"	32-35#	N-80, S-95, P-110	F/0-10417

**TOC @ 9415'**

Has an additional 20" surface casing string @ 184', not shown on WBS

**TUBING DETAILS**

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
KB				
320 jts	3-1/2"	9.3#	N-80	
62 jts	2-3/8"	4.7#	N-80	
GL #7				
13 jts	2-3/8"	4.7#	N-80	
GL #6				
12 jts	2-3/8"	4.7#	N-80	
GL #5				
13jts	2-3/8"	4.7#	N-80	
GLV#4				
13 jts	2-3/8"	4.7#	N-80	
GLV #3				
12 jts	2-3/8"	4.7#	N-80	
GLV #2				
13 Jts	2-3/8"	4.7#	N-80	
GLV #1				14,017'

External casing packer @ 10379'

**WELL HISTORY:**

12/01/87	Perf Lower Z2
01/01/88	Run Production Log
03/01/97	Installed 1-3/4" coiled tubing (some conflicting notes show 2-3/8" tubing)
2006	Note to pull 1-3/4" coil tubing (no date only 2006)
01/01/07	No note of CT in well during job, but no previous note of it being pulled. Pull 3.5" tubing and trip 7" and 5" scraper had to rotate and drill around 13,993'-14,0606' but broke through and tag at 14,384'. Set Packer at 13,459', acidize and swab test. Install gas lift on 3.5 tubing.

**NUGGET PERFS**

13501-556, 13576-630  
 13640-682, 13690-724  
 13756-846, 13856-870  
 13886-919, 13928-956  
 13974-14076, 14102-128

FISH #2: 29' 2-1/2" PERFORATING GUN (FIRED), CCL &amp; CABLE HEAD (1-7/16" OD)

FISH #1: BELOW 5" LINER CASING SHOE. BIT, MACH II MUD MOTOR, OVERSHOT, JAR. TOP @ 14588

● DV TOOL. 13-3/8" @ 2523'; 9-5/8" @ 8490'



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
2. NAME OF OPERATOR: MERIT ENERGY COMPANY		8. WELL NAME and NUMBER: ARE W20-04
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500, Dallas, TX, 75240		9. API NUMBER: 43043302380000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0702 FNL 0414 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 20 Township: 04.0N Range: 08.0E Meridian: S		9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST
		COUNTY: SUMMIT
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>1/5/2014</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text" value="Revised Procedure"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Merit Energy is unable to plug the above referenced well as proposed on the approved sundry dated 10.02.14. Please see attachment for synopsis of work done and the proposed revised procedure.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: January 06, 2015

By: 

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Katherine McClurkan	PHONE NUMBER 972 628-1660	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 1/5/2015





**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43043302380000**

**After pumping 650 sk first plug, perfs should be as close as possible to CICR @ 8200'. After amended plugs are set, continue on with original amended Plug #3.**



**ARE W 20-04  
API# 43-043-30238-0000  
NW-NW Sec 20 T04N-R08E  
702'FNL & 414' FWL  
Summit County, Utah**

**Merit Energy is unable to plug the above referenced well do to the following reasons:**

- Unable to mill (wore out several mills without getting any deeper)
- Unable to latch onto fish
- Unable to cut tubing (inside) deeper because of block in crossovers. E-line could not get through, also could not beat through with rig's sand line.
- Unable to cut tubing (outside) due to the fact that we are unable to latch on.
- This is the deepest the tubing has been, even if we were to be able to get it coming up – there is no guarantee that we can get all the way out. And we are unable to get down the tubing to cut so we could be in a worse position.

**Merit Proposals the following changes to the approved P&A procedures:**

- Set CICR at 8200', pump 650 sx cement below (well may not be able to take this, but pump away as much as possible)
- Tag TOC. Come up perforate and set CICR. Squeeze 150 sx. Then open casing valves and attempt to circulate 150 sx up both annuli.
- Dump 150' on top of CICR.





## Job Daily Summary- State Report

Support Line: 972-628-1700 #1

Report Date:  
Report #

Well Name: ARE W 20 04

Accounting ID 7613-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330238	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0726600000	SAP Longitude -111.0725900000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In-Eng Eval

Job Category Plug & Abandon	Primary Job Type Permanently Abandon Well	Job Start Date 8/26/2014	Job End Date
Daily Operations			
Report Start Date 11/13/2014	Primary Activity MIRU		
Operations Summary MIRU			
Report Start Date 11/14/2014	Primary Activity N/U Bops / L/D 3 1/2 vam tbg / spooling cap string		
Operations Summary SITP 100psi / SICP 100psi, blow well down to pit, N/D well head and piping, N/U BOPs, R/U floor P/U Landing jt, release hanger, pull to 160K / 20K over string wt pipe is moving no problems, POH L/D 94 jts 3 1/2 12.70# vam tbg, spooling 1/4" cap string seeing lots of paraffin out side of tbg, secure well SDON.			
Report Start Date 11/15/2014	Primary Activity TOH 3 1/2 Vam tbg		
Operations Summary SIP 0psi, TOH L/D 178 jts 3 1/2" Vam tbg spooling 1/4" cap string, (Note: having to pull 60K over due to heavy paraffin in hole slow going.) pump 300 gallons diesel down backside soak over weekend, secure well SDON.			
Report Start Date 11/17/2014	Primary Activity TOH / L/D 3 1/2" Vam tbg		
Operations Summary SITP=0#, SICP=0#. Open well & continue POH @ 75k laying down 3 1/2" Vam 9.3# tbg while spooling 1/4" cap string. Pulled 9-jts (185-jts out) found cap string parted. POH w/ 5-jts & recovered 58' of cap string. POH w/ 11-jts & recovered 97' of cap string. POH w/ 14-jts started to see heavy drag, pumped 300 gals diesel down csg & increased pull to 140k. Increased pull to 165k & POH w/ 9-jts (224-jts out). Secured well & SDON.			
Report Start Date 11/18/2014	Primary Activity Cut 3 1/2" tbg		
Operations Summary SITP=0#, SICP=0#. Open well, continue work tbg @165k & POH w/ 2-jts recovering 8.5' of cap string. RU Black Warrior EWL, RIH w/ Free point tool & FP tbg (2,503'=20%, 2,390'=40%, 2,310'=40%, 2,183'=60%) POH. RIH w/ 2.5" jet cutter, cut 3 1/2" 9.3# Vam tbg @ 2,215' POH & RD EWL. POH w/ 74-jts + 15' stub (300.5-jts 3 1/2" tbg out total) recovered no cap string or bands. Secured the well & SDON.			
Report Start Date 11/19/2014	Primary Activity Dress off TOF		
Operations Summary SITP=0#, SICP=0#. Open well, make up dress-off BNA as follows: 6" concave mill, bit sub, x-over, bumper sub, oil jar, 4- 4 1/8" DC's, intensifier, 2- x-over's, 6'x 3 1/2" Vam pup sub & TIH w/ 3 1/2" 9.3# Vam tbg tallying. Tag TOF on jt-35 @ 2,227' MD, RU power swivel & milled 12" off TOF while pumping prod brine down the tbg. RD PS, TOH w/ tbg & dress-off BHA. Brake out & L/D concave mill w/ bit sub. Made up 5 3/4" over shot w/ 3 1/2" basket grapple, mill control & cut lip guide. Start in w/ tbg & fishing BHA. Secured well on jt-32 w/ EOT @ 1,105' MD & SDON.			
Report Start Date 11/20/2014	Primary Activity Fishing tbg		
Operations Summary SITP=0#, SICP=0#. Open well, pump 200 gals diesel down the csg & TIH w/ 3 1/2" 9.3# Vam tbg +10' pup sub. Tag TOF w/ jt-70 @ 2,237' MD, rotated tbg & set down on TOF but couldn't get latched up. RU power swivel, rotate tbg while setting down 3k & pushed tbg down to 2,258' MD. Tbg rotated freely with very little torque & could stack out entire 23k string wt on fish, RD PS. TOH w/ tbg, found 1 band in overshot & grapple looked untouched. L/D OS & made up 6" concave mill w/ bit sub. TIH w/ dress-off BHA & 3 1/2" 9.3# Vam tbg. Tag TOF w/1' in on jt-72 @ 2,258' MD, milled 4' off TOF while pumping prod brine down the tbg & RD PS. POH w/ tbg, secured well on jt-68 @ 2,167' MD & SDON.			
Report Start Date 11/21/2014	Primary Activity Jarring on tbg		
Operations Summary SITP=0#, SICP=0#. Open well, TOH w/ tbg & dress-off BHA. Brake out & L/D concave mill w/ bit sub. Made up 5 3/4" over shot w/ 3 1/2" basket grapple, mill control & cut lip guide. TIH w/ 3 1/2" 9.3# Vam tbg, tag TOF w/7' in on jt-72 @ 2,264' MD & had to rotate tbg before gaining another 12". Pulled 25k over on overshot, singled the rig back & started jarring on the tbg @ 90k (67k over) then pulling to 125k. Worked tbg out 28' before not being able to make any more hole. Worked the tbg down & made it back to 2,264' then working it back up several times Jarring up. Made another 2' up & was able to keep working the tbg from 2,264'-2,234'. L/D jt-72, secured the well & SDON.			
Report Start Date 11/24/2014	Primary Activity Jarring on tbg		
Operations Summary SITP=0#, SICP=0#. Open well, make up jt-72 & w/ overshot @ 2,234' MD started jarring @ 100k (77k over) then pulling up to 140k. Made 10' before working the tbg down then back up several times Jarring up & making hole. L/D jt-71 & kept jarring up on tbg. L/D jt-70, kept jarring & tbg is starting to move a little faster. L/D jt-69, secured well w/ overshot @ 2,167' MD (made 67' today, 97' total) SDON.			
Report Start Date 11/25/2014	Primary Activity Jarring on tbg		
Operations Summary SITP=0#, SICP=0#. RUHO, & started pre-heating 200 bbls of prod brine w/ 55 gals paraffin solvent to 120 degs. Open well, started jarring w/ jt-68 & overshot @ 2,167' MD @ 100k (77k over) then pulling up to 140k. L/D jt-68 & kept jarring up on tbg. Made 15' on jt-67 before pumping 50 bbls brine down the csg @ 200 degs & press up to 500#. RU on the tbg, pumped 15 bbls brine @ 200 degs & press up to 1500# but the press was bleeding off fast. Pumped another 10.5 bbls before it locked up, bled off press & pumped another bbl down csg before catching press again, RDHO. Had to P/U jt-68 to work the tbg down 30' to get the jars cocked then went back to jarring up on the tbg but couldn't get more than 20' of that jt back out. Worked it back down hole, secured the well w/ overshot @ 2,167' MD (made 0' today, 97' total) & SDON.			





# Job Daily Summary- State Report

Support Line: 972-628-1700 #1

**Report Date:**  
**Report #**
**Well Name: ARE W 20 04**

Accounting ID 7613-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330238	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0726600000	SAP Longitude -111.0725900000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In-Eng Eval

## Daily Operations

Report Start Date 11/26/2014	Primary Activity POH & L/D fishing BHA
<b>Operations Summary</b> SITP=0#, SICP=0#. Open well, started jarring on jt-68 & w/ overshot @ 2,167' MD started jarring @ 100k (77k over) then pulling up to 140k. L/D jt-68 & kept jarring up on tbg. Made 25' on jt-67 before working it back down hole. RU power swivel on jt-68, released overshot (TOF @ 2,138' MD) & RD PS. L/D 2-jts, TOH 33-stds & broke out fishing BHA. Made up overshot BHA as follows: 4 11/16" overshot w/ 3 1/2" spiral grapple & cut lip guide, x-over, 10'x 3 1/2" Vam pup sub & TIH w/ 3 1/2" 9.3# Vam tbg. Tag TOF w/ 8.5' in on jt-74 @ 2,180' MD & latch onto fish. Work jt-74 out & land tbg in slips on jt -73 w/ TOF @ 2,172' MD. RU sandline, RIH & tag up @ 2,190'. Spudded on line & got down to 2,879', RD SL. Secured well & SDOW.	
Report Start Date 12/1/2014	Primary Activity Cut tbg
<b>Operations Summary</b> SITP=vac, SICP=vac. Open well, RU Black Warrior EWL & RIH w/ 2 3/8" chemical cutter(est FL @ 1,844'). Stacked out @ 2,163' ELM & worked line but couldn't get past it, POH. RU sandline, RIH w/ 2.355" GR & stacked out @ 2,190', spud line & made it through. RIH to 2,878', POH & RD SL. RIH w/ 2 3/8" chemical cutter, tagged @ 2,183' but worked cutter through it & RIH. Ran a CCL, cut the 3 1/2" 12.7# Vam tbg @ 2,825 ELM w/ tbg landed in the slips @ 10k over, POH & RD EWL. POH w/ tbg & had to pull 40k over on the first 3-stds before loosing all the drag. L/D overshot w/ top stub then pulled 22-jts & bottom stub. Made up S.S. cap string fishing BHA as follows: 2 prong rope spear, x-over, bumper sub, Hyd jar, 2 x-over's, 3 1/2" x 6' Vam tbg sub. TIH w/ tbg tallying & tagged 1/4" stainless cap string w/ 5' out on jt-50 @ 1,496' MD. Worked tbg, latched on to S.S. & had to set the jars off twice before it pulled free. POH w/ 20-stds pulling 2-4k over & secured well on jt-10 @ 344' MD, SDON.	
Report Start Date 12/2/2014	Primary Activity Fishing cap string
<b>Operations Summary</b> SITP=0#, SICP=0#. Open well, TOH w/ remaining tbg & rope spear BHA (recovered 1-S.S. band). TIH w/ 3 1/2" Vam tbg & rope spear BHA, tag TOF w/ jt-84 in @ 2,501' MD. Worked tbg down to 10' in on jt-86 @ 2,541' MD setting down 6k, TOH w/ tbg & rope spear BHA pulling 2-3k over(recovered approx 200' of cap string). TIH w/ tbg & rope spear BHA, tag TOF w/20' in on jt-85 @ 2,521' MD. Worked tbg down to 12' in on jt-86 @ 2,543' MD setting down 6k, TOH w/ tbg & rope spear BHA pulling 2-3k over(recovered 1' of cap string). TIH w/ tbg & rope spear BHA, tag TOF w/15' in on jt-86 @ 2,546' MD. Worked tbg down to jt-87 in @ 2,592' MD setting down 8k, POH w/ 3-stds & lost drag. RIH & worked tbg down to 5' in on jt-88 in @ 2,597' MD setting down 8k. TOH w/ rope spear BHA pulling 3-4k over(recovered 2' of cap string). Secured well & SDON.	
Report Start Date 12/3/2014	Primary Activity Fishing cap string
<b>Operations Summary</b> SITP=0#, SICP=0#. Open well, make up S.S. cap string fishing BHA as follows: Center prong rope spear, stop sub, 2 x-over's, bumper sub, Hyd jar, 2 x-over's, drain sub, 3 1/2" x 6' Vam tbg sub. TIH w/ 3 1/2" Vam tbg & rope spear BHA, tag TOF w/5' in on jt-88 @ 2,595' MD. Worked tbg down to 15' in on jt-88 @ 2,605' MD setting down 8k, TOH w/ tbg pulling 3-4k over(recovered several bands & pieces of cap string). TIH w/ tbg & rope spear BHA, tag TOF w/15' in on jt-88 @ 2,605' MD. Worked tbg down to 3' in on jt-89 @ 2,629' MD setting down 8-10k, TOH w/ tbg pulling 6-7k over (recovered a couple of bands & 4' of cap string). TIH w/ tbg & rope spear BHA, tag TOF w/3' in on jt-89 @ 2,629' MD. Worked tbg down to 10' in on jt-90 @ 2,664' MD setting down 10-14k, TOH w/ tbg pulling 12-16k over (recovered a few bands & approx 100' of cap string). TIH w/ 40-stds, secure well w/ EOT @ 2,383' MD & SDON.	
Report Start Date 12/4/2014	Primary Activity Fishing cap string
<b>Operations Summary</b> SITP=0#, SICP=0#. Open well, TIH w/ remaining 3 1/2" Vam tbg & rope spear BHA, tag TOF w/15' in on jt-89 @ 2,640' MD. Worked tbg down to 4' out on jt-90 @ 2,680' MD setting down 10-14k, TOH w/ tbg pulling 10-12k over (recovered approx 1' of cap string). Made up 2 prong rope spear, TIH w/ tbg & rope spear BHA, tag TOF w/ jt-85 in @ 2,532' MD. Worked tbg down to jt-89 in @ 2,652' MD setting down 10-12k, TOH w/ tbg pulling 10-12k over (recovered approx 0.5' of cap string). L/D spear, made up 5 3/4" pumpkin eyed mill shoe w/ 1-jt of 5 3/4" wash pipe on BHA & TIH w/ tbg. Tag 15' in on jt-86 @ 2,579' MD & work tbg down to jt-87 in @ 2,625' MD. RU power swivel & start rotating in with tbg off the rack. Seen a increase in torque w/ 5' out on jt-89 @ 2,681'. Work jt-90 in @ 2,715', POH 15' & pumped 200 gals diesel down csg. Secured well & SDON.	
Report Start Date 12/5/2014	Primary Activity Milling cap string
<b>Operations Summary</b> SITP=0#, SICP=0#. Open well & continue milling w/ jt-90 @ 2,715' seeing a big reduction in torque. P/U jt-91, pump 200 gals diesel down csg & continue milling. Progress slowed & seen a big increase in torque w/ 4' out on jt-94 @ 2,829' MD. Milled down to 2' out on jt-94 @ 2,831' MD before not being able to make any more hole. RD the PS, L/D 6-jts & POH w/ 17-stds. Secure well w/ BHA @ 1,651' MD & SDON.	
Report Start Date 12/6/2014	Primary Activity Milling cap string
<b>Operations Summary</b> SITP=0#, SICP=0#. Open well, TOH w/ remaining 3 1/2" Vam tbg & milling BHA (L/D last 12-jts due to full of paraffin, mill & WP full of cap string). Make new 5 3/4" pumpkin eyed mill shoe, 1-jt of 5 3/4" wash pipe on BHA & TIH w/ tbg picking up replacement jts off the rack. Tag TOF w/ jt-94 in @ 2,830' MD, RU power swivel on jt-95 & start milling over 3 1/2" tbg stub (made 4') RD PS. L/D 7-jts, TOH w/ tbg & L/D milling BHA. Make up fishing BHA as follows: 5 3/4" over shot w/ 3 1/2" basket grapple, mill control & cut lip guide, x-over, bumper sub, oil jar, 4- 4 1/8" DC's, intensifier, 2- x-over's, 6'x 3 1/2" Vam pup sub & TIH w/ 3 1/2" 12.7# Vam tbg. Secure well on jt-88 @ 2,752 & SDOW.	
Report Start Date 12/8/2014	Primary Activity Mill on cap string & push fish downhole
<b>Operations Summary</b> SITP=5#, SICP=0#. Open well, P/U 3-jts 3 1/2" Vam tbg off the rack & tag TOF w/ 25' in on jt-91 @ 2,836' MD. Worked & rotated tbg but couldn't get latched on. TOH w/ tbg, L/D fishing BHA & P/U milling BHA. TIH w/ tbg, tag w/ 5' in on jt-95 @ 2,836' MD & RU the PS. Started milling over cap string while pumping 1/3 bpm down the tbg. The top 2' milled hard but went steady after that, 1/2" in w/ jt-96 kicked out the PS & could push fish downhole setting 6-8k down. Started picking tbg up off the rack pushing fish downhole & stacked out w/ 10' in on jt-99 @ 2,958' MD. RU the PS, swivel down 2-jts & RD PS. RIH w/ tbg picking up off the rack tallying & pushing fish downhole. Secured well on jt-159 @ 4,758' MD & SDON.	





# Job Daily Summary- State Report

Support Line: 972-628-1700 #1

**Report Date:**  
**Report #**
**Well Name: ARE W 20 04**

Accounting ID 7613-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330238	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0726600000	SAP Longitude -111.0725900000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In-Eng Eval

**Daily Operations**

Report Start Date 12/9/2014	Primary Activity TIH off rack pushing fish
Operations Summary SITP=0#, SICP=0#. Open well, continue to RIH w/ tbg picking up off the rack tallying & pushing fish downhole. Stacked out w/ 10' in on jt-266 @ 7,886' MD. RU PS, swivel down 4-jts & RD PS. RIH w/ 8-jts, stacked out w/ 1' out on jt-278 in @ 8,263' MD & RU PS on jt-279 started milling. Couldn't make any hole, RD PS & POH w/ 20 stds. Secure well on jt-238 @ 7.075" MD & SDON.	
Report Start Date 12/10/2014	Primary Activity POH & TIH w/ new mill
Operations Summary SITP=0#, SICP=0#. Open well & continue to TOH w/ tbg (mill was packed w/ 4' of bands, chunks & pieces of cap string). Made up new 5 3/4" pumpkin eyed mill shoe on the milling BHA & TIH w/ 3 1/2" 12.7# Vam tbg. RU PS on jt-279, secured well w/ mill @ 8,255' MD & SDON.	
Report Start Date 12/11/2014	Primary Activity Mill TOF & POH, TIH w/ OS
Operations Summary SITP=0#, SICP=0#. Open well & start milling w/ 1' out on jt-278 in @ 8,264' MD while pumping lease brine @ 1/3 bpm. Made it down to 1.5' in on jt-279 @ 8,266.5' MD, RD PS & TOH w/ tbg. L/D milling BHA, made up 5 3/4" OS w/ 3 1/2" basket grapple & cut lip guide on the fishing BHA. TIH w/ 3 1/2" 12.7# Vam tbg, secured well on jt-260 w/ BHA @ 7,827' MD & SDON.	
Report Start Date 12/12/2014	Primary Activity POH & L/D tbg
Operations Summary SITP=0#, SICP=0#. Open well, continue to TIH w/ tbg & tag TOF w/ 5' out on jt-275 @ 8,266' MD. Work tbg while rotating to the Rt & made it down to 8,270' MD but couldn't get latch onto fish. Got orders to POH & L/D tbg. L/D all tbg, fishing BHA & secured well SDON.	
Report Start Date 12/13/2014	Primary Activity
Operations Summary SITP=0#, SICP=0#. Open well & RD floor. ND BOP stack, NU tree & secure well. RDPU & all equip.	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
2. NAME OF OPERATOR: MERIT ENERGY COMPANY		8. WELL NAME and NUMBER: ARE W20-04
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240		9. API NUMBER: 43043302380000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0702 FNL 0414 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 20 Township: 04.0N Range: 08.0E Meridian: S		9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST
		COUNTY: SUMMIT
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/21/2015			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Merit Energy Plugged and Abandon the aforementioned well on 1/21/2015 witnessed by Lisha Cordova Field Inspector with Utah Division of Oil, Gas, and Mining. Please see the attached Daily Summary for details of work done.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 February 03, 2015

NAME (PLEASE PRINT) Katherine McClurkan	PHONE NUMBER 972 628-1660	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 1/30/2015





## Job Daily Summary- State Report

Support Line: 972-628-1700 #1

Report Date:  
Report #

Well Name: ARE W 20 04

Accounting ID 7613-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330238	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0726600000	SAP Longitude -111.0725900000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In-Eng Eval

Job Category Plug & Abandon	Primary Job Type Permanently Abandon Well	Job Start Date 8/26/2014	Job End Date
Daily Operations			
Report Start Date 11/13/2014	Primary Activity MIRU		
Operations Summary MIRU			
Report Start Date 11/14/2014	Primary Activity N/U Bops / L/D 3 1/2 vam tbg / spooling cap string		
Operations Summary SITP 100psi / SICP 100psi, blow well down to pit, N/D well head and piping, N/U BOPs, R/U floor P/U Landing jt, release hanger, pull to 160K / 20K over string wt pipe is moving no problems, POH L/D 94 jts 3 1/2 12.70# vam tbg, spooling 1/4" cap string seeing lots of paraffin out side of tbg, secure well SDON.			
Report Start Date 11/15/2014	Primary Activity TOH 3 1/2 Vam tbg		
Operations Summary SIP 0psi, TOH L/D 178 jts 3 1/2" Vam tbg spooling 1/4" cap string, (Note: having to pull 60K over due to heavy paraffin in hole slow going.) pump 300 gallons diesel down backside soak over weekend, secure well SDON.			
Report Start Date 11/17/2014	Primary Activity TOH / L/D 3 1/2" Vam tbg		
Operations Summary SITP=0#, SICP=0#. Open well & continue POH @ 75k laying down 3 1/2" Vam 9.3# tbg while spooling 1/4" cap string. Pulled 9-jts (185-jts out) found cap string parted. POH w/ 5-jts & recovered 58' of cap string. POH w/ 11-jts & recovered 97' of cap string. POH w/ 14-jts started to see heavy drag, pumped 300 gals diesel down csg & increased pull to 140k. Increased pull to 165k & POH w/ 9-jts (224-jts out). Secured well & SDON.			
Report Start Date 11/18/2014	Primary Activity Cut 3 1/2" tbg		
Operations Summary SITP=0#, SICP=0#. Open well, continue work tbg @165k & POH w/ 2-jts recovering 8.5' of cap string. RU Black Warrior EWL, RIH w/ Free point tool & FP tbg (2,503'=20%, 2,390'=40%, 2,310'=40%, 2,183'=60%) POH. RIH w/ 2.5" jet cutter, cut 3 1/2" 9.3# Vam tbg @ 2,215' POH & RD EWL. POH w/ 74-jts + 15' stub (300.5-jts 3 1/2" tbg out total) recovered no cap string or bands. Secured the well & SDON.			
Report Start Date 11/19/2014	Primary Activity Dress off TOF		
Operations Summary SITP=0#, SICP=0#. Open well, make up dress-off BNA as follows: 6" concave mill, bit sub, x-over, bumper sub, oil jar, 4- 4 1/8" DC's, intensifier, 2- x-over's, 6'x 3 1/2" Vam pup sub & TIH w/ 3 1/2" 9.3# Vam tbg tallying. Tag TOF on jt-35 @ 2,227' MD, RU power swivel & milled 12" off TOF while pumping prod brine down the tbg. RD PS, TOH w/ tbg & dress-off BHA. Brake out & L/D concave mill w/ bit sub. Made up 5 3/4" over shot w/ 3 1/2" basket grapple, mill control & cut lip guide. Start in w/ tbg & fishing BHA. Secured well on jt-32 w/ EOT @ 1,105' MD & SDON.			
Report Start Date 11/20/2014	Primary Activity Fishing tbg		
Operations Summary SITP=0#, SICP=0#. Open well, pump 200 gals diesel down the csg & TIH w/ 3 1/2" 9.3# Vam tbg +10' pup sub. Tag TOF w/ jt-70 @ 2,237' MD, rotated tbg & set down on TOF but couldn't get latched up. RU power swivel, rotate tbg while setting down 3k & pushed tbg down to 2,258' MD. Tbg rotated freely with very little torque & could stack out entire 23k string wt on fish, RD PS. TOH w/ tbg, found 1 band in overshot & grapple looked untouched. L/D OS & made up 6" concave mill w/ bit sub. TIH w/ dress-off BHA & 3 1/2" 9.3# Vam tbg. Tag TOF w/1' in on jt-72 @ 2,258' MD, milled 4' off TOF while pumping prod brine down the tbg & RD PS. POH w/ tbg, secured well on jt-68 @ 2,167' MD & SDON.			
Report Start Date 11/21/2014	Primary Activity Jarring on tbg		
Operations Summary SITP=0#, SICP=0#. Open well, TOH w/ tbg & dress-off BHA. Brake out & L/D concave mill w/ bit sub. Made up 5 3/4" over shot w/ 3 1/2" basket grapple, mill control & cut lip guide. TIH w/ 3 1/2" 9.3# Vam tbg, tag TOF w/7' in on jt-72 @ 2,264' MD & had to rotate tbg before gaining another 12". Pulled 25k over on overshot, singled the rig back & started jarring on the tbg @ 90k (67k over) then pulling to 125k. Worked tbg out 28' before not being able to make any more hole. Worked the tbg down & made it back to 2,264' then working it back up several times Jarring up. Made another 2' up & was able to keep working the tbg from 2,264'-2,234'. L/D jt-72, secured the well & SDON.			
Report Start Date 11/24/2014	Primary Activity Jarring on tbg		
Operations Summary SITP=0#, SICP=0#. Open well, make up jt-72 & w/ overshot @ 2,234' MD started jarring @ 100k (77k over) then pulling up to 140k. Made 10' before working the tbg down then back up several times Jarring up & making hole. L/D jt-71 & kept jarring up on tbg. L/D jt-70, kept jarring & tbg is starting to move a little faster. L/D jt-69, secured well w/ overshot @ 2,167' MD (made 67' today, 97' total) SDON.			
Report Start Date 11/25/2014	Primary Activity Jarring on tbg		
Operations Summary SITP=0#, SICP=0#. RUHO, & started pre-heating 200 bbls of prod brine w/ 55 gals paraffin solvent to 120 degs. Open well, started jarring w/ jt-68 & overshot @ 2,167' MD @ 100k (77k over) then pulling up to 140k. L/D jt-68 & kept jarring up on tbg. Made 15' on jt-67 before pumping 50 bbls brine down the csg @ 200 degs & press up to 500#. RU on the tbg, pumped 15 bbls brine @ 200 degs & press up to 1500# but the press was bleeding off fast. Pumped another 10.5 bbls before it locked up, bled off press & pumped another bbl down csg before catching press again, RDHO. Had to P/U jt-68 to work the tbg down 30' to get the jars cocked then went back to jarring up on the tbg but couldn't get more than 20' of that jt back out. Worked it back down hole, secured the well w/ overshot @ 2,167' MD (made 0' today, 97' total) & SDON.			





## Job Daily Summary- State Report

Support Line: 972-628-1700 #1

Report Date:  
Report #

Well Name: ARE W 20 04

Accounting ID 7613-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330238	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0726600000	SAP Longitude -111.0725900000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In-Eng Eval

## Daily Operations

Report Start Date 11/26/2014	Primary Activity POH & L/D fishing BHA
Operations Summary SITP=0#, SICP=0#. Open well, started jarring on jt-68 & w/ overshot @ 2,167' MD started jarring @ 100k (77k over) then pulling up to 140k. L/D jt-68 & kept jarring up on tbg. Made 25' on jt-67 before working it back down hole. RU power swivel on jt-68, released overshot (TOF @ 2,138' MD) & RD PS. L/D 2-jts, TOH 33-stds & broke out fishing BHA. Made up overshot BHA as follows: 4 11/16" overshot w/ 3 1/2" spiral grapple & cut lip guide, x-over, 10'x 3 1/2" Vam pup sub & TIH w/ 3 1/2" 9.3# Vam tbg. Tag TOF w/ 8.5' in on jt-74 @ 2,180' MD & latch onto fish. Work jt-74 out & land tbg in slips on jt -73 w/ TOF @ 2,172' MD. RU sandline, RIH & tag up @ 2,190'. Spudded on line & got down to 2,879', RD SL. Secured well & SDOW.	
Report Start Date 12/1/2014	Primary Activity Cut tbg
Operations Summary SITP=vac, SICP=vac. Open well, RU Black Warrior EWL & RIH w/ 2 3/8" chemical cutter(est FL @ 1,844'). Stacked out @ 2,163' ELM & worked line but couldn't get past it, POH. RU sandline, RIH w/ 2.355" GR & stacked out @ 2,190', spud line & made it through. RIH to 2,878', POH & RD SL. RIH w/ 2 3/8" chemical cutter, tagged @ 2,183' but worked cutter through it & RIH. Ran a CCL, cut the 3 1/2" 12.7# Vam tbg @ 2,825 ELM w/ tbg landed in the slips @ 10k over, POH & RD EWL. POH w/ tbg & had to pull 40k over on the first 3-stds before loosing all the drag. L/D overshot w/ top stub then pulled 22-jts & bottom stub. Made up S.S. cap string fishing BHA as follows: 2 prong rope spear, x-over, bumper sub, Hyd jar, 2 x-over's, 3 1/2" x 6' Vam tbg sub. TIH w/ tbg tallying & tagged 1/4" stainless cap string w/ 5' out on jt-50 @ 1,496' MD. Worked tbg, latched on to S.S. & had to set the jars off twice before it pulled free. POH w/ 20-stds pulling 2-4k over & secured well on jt-10 @ 344' MD, SDON.	
Report Start Date 12/2/2014	Primary Activity Fishing cap string
Operations Summary SITP=0#, SICP=0#. Open well, TOH w/ remaining tbg & rope spear BHA (recovered 1-S.S. band). TIH w/ 3 1/2" Vam tbg & rope spear BHA, tag TOF w/ jt-84 in @ 2,501' MD. Worked tbg down to 10' in on jt-86 @ 2,541' MD setting down 6k, TOH w/ tbg & rope spear BHA pulling 2-3k over(recovered approx 200' of cap string). TIH w/ tbg & rope spear BHA, tag TOF w/20' in on jt-85 @ 2,521' MD. Worked tbg down to 12' in on jt-86 @ 2,543' MD setting down 6k, TOH w/ tbg & rope spear BHA pulling 2-3k over(recovered 1' of cap string). TIH w/ tbg & rope spear BHA, tag TOF w/15' in on jt-86 @ 2,546' MD. Worked tbg down to jt-87 in @ 2,592' MD setting down 8k, POH w/ 3-stds & lost drag. RIH & worked tbg down to 5' in on jt-88 in @ 2,597' MD setting down 8k. TOH w/ rope spear BHA pulling 3-4k over(recovered 2' of cap string). Secured well & SDON.	
Report Start Date 12/3/2014	Primary Activity Fishing cap string
Operations Summary SITP=0#, SICP=0#. Open well, make up S.S. cap string fishing BHA as follows: Center prong rope spear, stop sub, 2 x-over's, bumper sub, Hyd jar, 2 x-over's, drain sub, 3 1/2" x 6' Vam tbg sub. TIH w/ 3 1/2" Vam tbg & rope spear BHA, tag TOF w/5' in on jt-88 @ 2,595' MD. Worked tbg down to 15' in on jt-88 @ 2,605' MD setting down 8k, TOH w/ tbg pulling 3-4k over(recovered several bands & pieces of cap string). TIH w/ tbg & rope spear BHA, tag TOF w/15' in on jt-88 @ 2,605' MD. Worked tbg down to 3' in on jt-89 @ 2,629' MD setting down 8-10k, TOH w/ tbg pulling 6-7k over (recovered a couple of bands & 4' of cap string). TIH w/ tbg & rope spear BHA, tag TOF w/3' in on jt-89 @ 2,629' MD. Worked tbg down to 10' in on jt-90 @ 2,664' MD setting down 10-14k, TOH w/ tbg pulling 12-16k over (recovered a few bands & approx 100' of cap string). TIH w/ 40-stds, secure well w/ EOT @ 2,383' MD & SDON.	
Report Start Date 12/4/2014	Primary Activity Fishing cap string
Operations Summary SITP=0#, SICP=0#. Open well, TIH w/ remaining 3 1/2" Vam tbg & rope spear BHA, tag TOF w/15' in on jt-89 @ 2,640' MD. Worked tbg down to 4' out on jt-90 @ 2,680' MD setting down 10-14k, TOH w/ tbg pulling 10-12k over (recovered approx 1' of cap string). Made up 2 prong rope spear, TIH w/ tbg & rope spear BHA, tag TOF w/ jt-85 in @ 2,532' MD. Worked tbg down to jt-89 in @ 2,652' MD setting down 10-12k, TOH w/ tbg pulling 10-12k over (recovered approx 0.5' of cap string). L/D spear, made up 5 3/4" pumpkin eyed mill shoe w/ 1-jt of 5 3/4" wash pipe on BHA & TIH w/ tbg. Tag 15' in on jt-86 @ 2,579' MD & work tbg down to jt-87 in @ 2,625' MD. RU power swivel & start rotating in with tbg off the rack. Seen a increase in torque w/ 5' out on jt-89 @ 2,681'. Work jt-90 in @ 2,715', POH 15' & pumped 200 gals diesel down csg. Secured well & SDON.	
Report Start Date 12/5/2014	Primary Activity Milling cap string
Operations Summary SITP=0#, SICP=0#. Open well & continue milling w/ jt-90 @ 2,715' seeing a big reduction in torque. P/U jt-91, pump 200 gals diesel down csg & continue milling. Progress slowed & seen a big increase in torque w/ 4' out on jt-94 @ 2,829' MD. Milled down to 2' out on jt-94 @ 2,831' MD before not being able to make any more hole. RD the PS, L/D 6-jts & POH w/ 17-stds. Secure well w/ BHA @ 1,651' MD & SDON.	
Report Start Date 12/6/2014	Primary Activity Milling cap string
Operations Summary SITP=0#, SICP=0#. Open well, TOH w/ remaining 3 1/2" Vam tbg & milling BHA (L/D last 12-jts due to full of paraffin, mill & WP full of cap string). Make new 5 3/4" pumpkin eyed mill shoe, 1-jt of 5 3/4" wash pipe on BHA & TIH w/ tbg picking up replacement jts off the rack. Tag TOF w/ jt-94 in @ 2,830' MD, RU power swivel on jt-95 & start milling over 3 1/2" tbg stub (made 4') RD PS. L/D 7-jts, TOH w/ tbg & L/D milling BHA. Make up fishing BHA as follows: 5 3/4" over shot w/ 3 1/2" basket grapple, mill control & cut lip guide, x-over, bumper sub, oil jar, 4- 4 1/8" DC's, intensifier, 2- x-over's, 6'x 3 1/2" Vam pup sub & TIH w/ 3 1/2" 12.7# Vam tbg. Secure well on jt-88 @ 2,752 & SDOW.	
Report Start Date 12/8/2014	Primary Activity Mill on cap string & push fish downhole
Operations Summary SITP=5#, SICP=0#. Open well, P/U 3-jts 3 1/2" Vam tbg off the rack & tag TOF w/ 25' in on jt-91 @ 2,836' MD. Worked & rotated tbg but couldn't get latched on. TOH w/ tbg, L/D fishing BHA & P/U milling BHA. TIH w/ tbg, tag w/ 5' in on jt-95 @ 2,836' MD & RU the PS. Started milling over cap string while pumping 1/3 bpm down the tbg. The top 2' milled hard but went steady after that, 1/2" in w/ jt-96 kicked out the PS & could push fish downhole setting 6-8k down. Started picking tbg up off the rack pushing fish downhole & stacked out w/ 10' in on jt-99 @ 2,958' MD. RU the PS, swivel down 2-jts & RD PS. RIH w/ tbg picking up off the rack tallying & pushing fish downhole. Secured well on jt-159 @ 4,758' MD & SDON.	





## Job Daily Summary- State Report

Support Line: 972-628-1700 #1

Report Date:  
Report #

Well Name: ARE W 20 04

Accounting ID 7613-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330238	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0726600000	SAP Longitude -111.0725900000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In-Eng Eval

## Daily Operations

Report Start Date 12/9/2014	Primary Activity TIH off rack pushing fish
Operations Summary SITP=0#, SICP=0#. Open well, continue to RIH w/ tbg picking up off the rack tallying & pushing fish downhole. Stacked out w/ 10' in on jt-266 @ 7,886' MD. RU PS, swivel down 4-jts & RD PS. RIH w/ 8-jts, stacked out w/ 1' out on jt-278 in @ 8,263' MD & RU PS on jt-279 started milling. Couldn't make any hole, RD PS & POH w/ 20 stds. Secure well on jt-238 @ 7,075' MD & SDON.	
Report Start Date 12/10/2014	Primary Activity POH & TIH w/ new mill
Operations Summary SITP=0#, SICP=0#. Open well & continue to TOH w/ tbg (mill was packed w/ 4' of bands, chunks & pieces of cap string). Made up new 5 3/4" pumpkin eyed mill shoe on the milling BHA & TIH w/ 3 1/2" 12.7# Vam tbg. RU PS on jt-279, secured well w/ mill @ 8,255' MD & SDON.	
Report Start Date 12/11/2014	Primary Activity Mill TOF & POH, TIH w/ OS
Operations Summary SITP=0#, SICP=0#. Open well & start milling w/ 1' out on jt-278 in @ 8,264' MD while pumping lease brine @ 1/3 bpm. Made it down to 1.5' in on jt-279 @ 8,266.5' MD, RD PS & TOH w/ tbg. L/D milling BHA, made up 5 3/4" OS w/ 3 1/2" basket grapple & cut lip guide on the fishing BHA. TIH w/ 3 1/2" 12.7# Vam tbg, secured well on jt-260 w/ BHA @ 7,827' MD & SDON.	
Report Start Date 12/12/2014	Primary Activity POH & L/D tbg
Operations Summary SITP=0#, SICP=0#. Open well, continue to TIH w/ tbg & tag TOF w/ 5' out on jt-275 @ 8,266' MD. Work tbg while rotating to the Rt & made it down to 8,270' MD but couldn't get latch onto fish. Got orders to POH & L/D tbg. L/D all tbg, fishing BHA & secured well SDON.	
Report Start Date 12/13/2014	Primary Activity
Operations Summary SITP=0#, SICP=0#. Open well & RD floor. ND BOP stack, NU tree & secure well. RDPU & all equip.	
Report Start Date 1/9/2015	Primary Activity Work up Amended plug #1
Operations Summary Finish rigging up equipment, R/U E line RIH 5.71 OD GR/JB ccl, tag up @ 5460' POH paraffin heavy on tools clean tools pump 40 gal diesel RIH 5.71 GR/JB ccl, run collar strip, to depth 8220' FL 5540' POH, RIH CICR 5.69 OD ccl run collar strip correlate, set between collars @ 8200' retag POH, R/D E line, TIH Talley 2 3/8" tbg, secure well SDON.	
Report Start Date 1/10/2015	Primary Activity Work up Amended plug #1
Operations Summary TIH Talley 260 jts 2 3/8" tbg, Sting into CICR, R/U pump equipment pump 30 bbls FW 2 bpm catch pressure 1100 psi, pressure up sold wait 15 min pressure wont bleed down, bleed off pressure sting out CICR, Sting into CICR pump 1 bbl FW pressure up 1200 psi 0 injection rate, (Note: Call made Engineer Dustin Doucet State Utah Helen 1-801-520-2047), EOT @ 8200' Sting out load hole 160 bbls FW w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem.), roll out hole 180 bbls w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem.), secure well SDON.	
Report Start Date 1/11/2015	Primary Activity Work up Amended plug #1
Operations Summary Hold safety mtg, roll out 100 bbls FW w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem.) returns are clean, TOH 130 stands 2 3/8" tbg, R/U E line, RIH perf gun 4 spf w/ ccl run collar strip correlate tag Top CICR @ 8196' perf @ 8190' POH, open 9 5/8" get injection rate 2 bpm @ 700 psi see returns close 9 5/8" open 13 3/8" pressure up 1200 psi holding sold bleed off, RIH CICR 5.69 OD w/ ccl run collar strip correlate set 50' above perf holes 8140' ( Note: State Utah Helen 1-801-538-5357 W/ Engineer Dustin Doucet recommendations, perfs should be as close as possible to CICR @ 8200' set CICR 50' above perfs). TIH stinger 130 stands 2 3/8" tbg, EOT @ 8140' secure well SDON.	
Report Start Date 1/12/2015	Primary Activity Work up Amended plug #1
Operations Summary Hold safety mtg, TIH 130 stands 2 3/8" tbg, sting into CICR get injection rate 2bpm @ 700psi up 9 5/8", pressure up backside 500psi test CICR SI backside, EOT @ 8142'. Pump 1 bbl FW M&P 150 sxs class G cmt 15.8# yield 1.15 slurry 26.7 bbls, pump 125 sxs cmt below CICR displ 26 bbls FW w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem.), sting out pump 25 sxs above CICR displ 3.5 bbls TOC @ 8264', L/D 39 jts 2 3/8" tbg, stand back 111 stands 2 3/8" tbg, ( Note: cmt volumes plug #1 adjusted 25 sxs below CICR, 100 sxs inside 9 5/8" TOC @ 7334' / 25 sxs above CICR TOC @ 8264' verbal per State Utah recommendations Dustin Doucet 1-801-538-5281), secure well SDON.	
Report Start Date 1/13/2015	Primary Activity Work up plug #3
Operations Summary Hold safety mtg, R/U E line, RIH perf gun 4 spf w/ ccl run collar strip correlate perf @ 6959' between collars POH, unable to get injection into perfs pressure up 1100 psi, see returns up 9 5/8", RIH CICR 5.69 OD w/ ccl correlate set @ 6909' between collars POH, R/D E line, TIH stinger 111 stands 2 3/8" tbg EOT @ 6909' sting into CICR pressure up backside 500 psi test CICR SI backside, Pump 1 bbl FW M&P 66 sxs class G cmt 15.8# yield 1.15 slurry 11.7 bbls cmt, pump 36 sxs cmt 6.4 bbls cmt below CICR displ 21 bbls, FW w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem). sting out pump 30 sxs cmt 5.3 bbls cmt top CICR displ 4 bbls, FW ,TOC @ 6739', L/D 49 jts 2 3/8" tbg, stand back 86 stands, secure well SDON.	





# Job Daily Summary- State Report

Support Line: 972-628-1700 #1

**Report Date:**  
**Report #**
**Well Name: ARE W 20 04**

Accounting ID 7613-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330238	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0726600000	SAP Longitude -111.0725900000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In-Eng Eval

## Daily Operations

Report Start Date 1/14/2015	Primary Activity Work up plug #4
Operations Summary Hold safety mtg, R/U E line RIH perf gun 4spf w/ ccl run collar strip correlate perf @ 5400' between collars ( Note: collar @ 5394' move perf holes to 5400' per State Utah recommendations Lisha Cordova 1-801-538-5296) POH unable to get injection rate into 13 3/8" perfs pressure up to 1100psi holds solid see returns on 9 5/8", (Note: Per State Utah Lisha Cordova reperf @ 5345' move CICR up hole to 5295'), RIH perf gun 4spf w/ ccl run collar strip correlate perf @ 5345' between collars POH, pump 8 bbls FW catch pressure, unable to get injection rate into 13 3/8" perfs pressure up to 1200 psi holds solid, ( wait on State Utah recommendations), secure well SDFDO.	
Report Start Date 1/19/2015	Primary Activity Work up plug #4 / plug #5
Operations Summary Hold safety mtg, R/U E line RIH CICR 5.69 OD w/ ccl run collar strip correlate set CICR @ 5300' between collars retag POH, R/D E line, TIH 86 stands 2 3/8" tbg sting into CICR, pressure up backside 500 psi EOT 5295' Pump 1 bbl FW, M&P 60 sxs class G cmt 15.8# yield 1.15 slurry 10.6 bbls cmt, pump 35 sxs 6.2 bbls cmt below CICR displ 14.5 bbls, FW w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem), sting out pump 25 sxs 4.5 bbls cmt above CICR displ 3.5 bbls FW, TOC 5169', ( State Utah Lisha Cordova witnessed 1-801-386-3902), TOH L/D 103 jts 2 3/8" tbg, stand back 32 stands, R/U E line RIH perf gun 4spf w/ ccl run collar strip correlate perf @ 2100' between collars POH, get injection into perfs rate 1.5 bpm 50psi, RIH CICR 5.69 OD w/ ccl run collar strip correlate set CICR @ 2050' between collars retag POH, RIH perf gun 4spf w/ ccl run collar strip correlate perf @ 100' between collars POH,secure well SDON.	
Report Start Date 1/20/2015	Primary Activity Work up plug #5
Operations Summary Hold safety mtg, TIH stinger, 32 stands 2 3/8" tbg sting into CIRC pressure up back side 500 psi test CICR, EOT 2050', Pump 1 bbls FW, M&P total 68 sxs class G cmt 15.8# yield 1.15, slurry 12.1 bbls cmt, Open 13 3/8" csg valve pump 41 sxs cmt see FW returns close 13 3/8", Open 9 5/8" csg valve pump 15 sxs cmt see FW returns displ 9 bbls FW, w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem), sting out pump 12 sxs cmt 2.1 bbls cmt above CICR, displ 2 bbls FW, TOH L/D 64 jts 2 3/8" tbg, R/D rig move equipment dig out well head, secure well SDON.	
Report Start Date 1/21/2015	Primary Activity Pump plug #6 100' surface
Operations Summary Hold safety mtg, dig out well head, Pump 1 bbl FW, M&P total 62 sxs class G cmt 15.8# 1.15 yield, slurry 11 bbls cmt, open 13 3/8 pump 26 sxs cmt see cmt returns close 13 3/8", Open 9 5/8" pump 13 sxs cmt see cmt returns, pump 18 sxs cmt inside 7", clean up cmt equipment, cut off well head, weld on plate data, SDON.	



Company Name: Merit Energy  
 AFE or Project #: 43-043-30238  
 Well Name: ARE W20-04  
 RIG #: 23  
 Tool Pusher: Daric Roehm  
 Operator: Tony Hernandez  
 Rig Hand: Armando Lopez  
 Rig Hand: Mike Schroyer  
 Rig Hand: Shane Berube  
 Rig Hand: \_\_\_\_\_  
 Rig Hand: \_\_\_\_\_

Company Man: Mel Wren Date: 1/9/2015  
 Projected Days: \_\_\_\_\_ Days on Well: \_\_\_\_\_  
 Section: 20 Township: 4N Range: 8E

Hours	Per-diem
12.5	yes
12.5	yes
12.5	yes
12.5	yes
12.5	yes

Tool Pusher Cell: (970)250-0321  
 Company Man Cell: (307)679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
5:30 AM	6:30 AM	Travel			
6:30 AM	7:00 AM	JSA meeting			
7:00 AM	9:30 AM	Spot in & Rig up			
9:30 AM	11:15 AM	Nd WH-Nu BOP-Ru floor			
11:15 AM	3:15 PM	Ru WL-RIH with 5.71" GR & tagged @5450'-POOH-pump 30-40			
		gals of diesel down well-RIH with GR again to 8230'-POOH-RIH			
		with CIGR & set @8200'-POOH-Rd WL			
3:15 PM	5:15 PM	RIH with stinger on bottom of tbg-shut well in with 88 jts in hole			
		secure equi. & location			
5:15 PM	6:00 PM	Travel			
Comments: Continue TIH-tag CIGR-sting into retainer and pump 100 bbls-sting out and roll hole clean.			Comments:		

District Mangers Signature: \_\_\_\_\_



**Company Name:** Merit Energy  
**AFE or Project #:** \_\_\_\_\_  
**Well Name:** ARE W20-04  
**RIG #:** 23  
**Tool Pusher:** Daric Roehm  
**Operator:** Tony Hernandez  
**Rig Hand:** Armando Lopez  
**Rig Hand:** Mike Schroyer  
**Rig Hand:** Robert Shelton  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren  
**Projected Days:** \_\_\_\_\_

**Date:** 1/11/2015  
**Days on Well:** \_\_\_\_\_  
**Range:** 8E

**Section:** 20 **Township:** 4N

Hours	Per-diem
14	yes
12.5	yes
12.5	yes
14	yes
12.5	yes

**Tool Pusher Cell:** (970)250-0321  
**Company Man Cell:** (307)679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
5:30 AM	6:30 AM	Travel			
6:30 AM	7:00 AM	JSA meeting			
7:00 AM	9:00 AM	Continue to roll hole clean (320 bbls total)			
9:00 AM	1:15 PM	Lay down 3 jts-TOOH 130 stands-wait for WL to finish up on rig			
		24			
1:15 PM	4:30 PM	Ru WL-RIH with perf gun and shoot 4 holes @8190' (6' above			
		CICR)-POOH-establish circ. down 7" & up 9 5/8" (good)-shut			
		9 5/8" valve & try to get an injection outside (pressured up to			
		1200 psi)-RIH with CICR & set @8142'-POOH-Rd WL			
4:30 PM	5:00 PM	Shut well in-secure equip. & location			
5:00 PM	6:00 PM	Travel			
Comments: TIH with stinger-pump cmt-TOOH-Ru WL			Comments:		

**District Mangers Signature:** \_\_\_\_\_



**Company Name:** Merit Energy  
**AFE or Project #:** \_\_\_\_\_  
**Well Name:** ARE W20-04  
**RIG #:** 23  
**Tool Pusher:** Daric Roehm  
**Operator:** Tony Hernandez  
**Rig Hand:** Armando Lopez  
**Rig Hand:** Mike Schroyer  
**Rig Hand:** Robert Shelton  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren  
**Projected Days:** \_\_\_\_\_  
**Section:** 20 **Township:** 4N

**Date:** 1/12/2015  
**Days on Well:** \_\_\_\_\_  
**Range:** 8E

Hours	Per-diem
11.5	yes
11.5	yes
11.5	yes
11.5	yes
11.5	yes

**Tool Pusher Cell:** (970)250-0321  
**Company Man Cell:** (307)679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
5:30 AM	6:30 AM	Travel			
6:30 AM	7:00 AM	JSA meeting			
7:00 AM	7:40 AM	Warm up equip.-put pump together			
7:40 AM	9:30 AM	TIH with stinger on bottom of tbg			
9:30 AM	10:50 AM	Tag CICR @8142'-space out -sting into retainer-reestablish circ.			
		up 9 5/8"-wait for cementer			
10:50 AM	12:20 PM	Spot in & rig up cementer-lunch			
12:20 PM	1:40 PM	Pump cmt (1 bbl FW -150sxs/30 bbls cmt-1 bbl FW-25.5 bbls			
		disp.-sting out-3.5 bbls disp.)(Cmt: 125sxs below-25sxs on top)			
1:40 AM	3:30 PM	Lay down 39 jts-TOOH with 111 stands			
3:30 PM	4:00 PM	Shut well in-secure equip. & location			
4:00	5:00	Travel			
Comments: Ru WL-shoot 4 holes @6900 & set CICR-TIH-pump cmt			Comments:		

**District Mangers Signature:** \_\_\_\_\_



Company Name: Merit Energy  
 AFE or Project #: \_\_\_\_\_  
 Well Name: ARE W20-04  
 RIG #: 23  
 Tool Pusher: Darie Roehm  
 Operator: Tony Hernandez  
 Rig Hand: Armando Lopez  
 Rig Hand: Mike Schroyer  
 Rig Hand: Robert Shelton  
 Rig Hand: \_\_\_\_\_  
 Rig Hand: \_\_\_\_\_

Company Man: Mel Wren  
 Projected Days: \_\_\_\_\_

Date: 1/13/2014  
 Days on Well: \_\_\_\_\_  
 Range: 8E

Section: 20 Township: 4N

Hours	Per-diem
13.5	yes
13.5	yes
13.5	yes
13.5	yes
13.5	yes

Tool Pusher Cell: (970)250-0321  
 Company Man Cell: (307)679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
5:30 AM	6:30 AM	Travel			
6:30 AM	7:00 AM	JSA meeting			
7:00 AM	7:40 AM	Start & warm up equip.-remove snow from location			
7:40 AM	9:00 AM	Ru WL-RIH with perf. gun & stacked out @430'-POOH-Rd WL			
9:00 AM	9:50 AM	TIH open ended to 750'-roll hole clean-TOOH			
9:50 AM	12:45 PM	Ru WL-RIH with perf. gun & shoot 4 holes @6959'-POOH-pump			
		down 7" & establish circ. up 9 5/8"-shut 9 5/8" & try to establish			
		an injection rate outside of 9 5/8" (pressured up to 1100 psi)-RIH			
		with 7" CICR & set @6909'-POOH-Rd WL			
12:45 PM	2:10 PM	TIH with stinger on bottom of tbq			
2:10 PM	2:45 PM	Tag CICR @6909'-Ru cmt equip.			
2:45	3:30	Pump cmt (1 bbl FW-66sxs/13.2 bbls cmt-1 bbl FW-20 bbls disp.-			
		sting out-4 bbls disp.)(Cmt: 36sxs below & 30sxs on top)			
3:30	5:30	Lay down 50 jts-TOOH 86 stands			
5:30	6:00	Shut well in-secure equip. & location			
6:00	7:00	Travel			
Comments: Ru WL-shoot 4 holes @5396'-set CICR @5346'-Rd WL-TIH-sting into retainer-travel home			Comments:		

District Mangers Signature: \_\_\_\_\_



Company Name: Merit Energy  
 AFE or Project #: \_\_\_\_\_  
 Well Name: ARE W20-04  
 RIG #: 23  
 Tool Pusher: Darie Roehm  
 Operator: Tony Hernandez  
 Rig Hand: Armando Lopez  
 Rig Hand: Mike Schroyer  
 Rig Hand: Robert Shelton  
 Rig Hand: \_\_\_\_\_  
 Rig Hand: \_\_\_\_\_

Company Man: Mel Wren  
 Projected Days: \_\_\_\_\_  
 Section: 20 Township: 4N

Date: 1/19/2015  
 Days on Well: \_\_\_\_\_  
 Range: 8E

Hours	Per-diem
12.5	yes
12.5	yes
13.5	yes
13.5	yes
12.5	yes

Tool Pusher Cell: (970)250-0321  
 Company Man Cell: (307)679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
5:30 AM	6:30 AM	Travel			
6:30 AM	7:00 AM	JSA meeting			
7:00 AM	8:00 AM	Start equip.-wait for WL			
8:00 AM	11:30 AM	Ru WL-RIH with 7" CICR & set @5300'-POOH-Rd WL			
11:30 AM	12:30 PM	TIH with stinger on bottom of tbg			
12:30 PM	12:50 PM	Tag CICR @5300'-space out-sting into retainer-reestablish circ.			
		up 9 5/8" csg-Ru cmt equip.			
12:50 PM	1:30 PM	Pump cmt (1 bbl FW ahead-60sxs/12 bbls cmt-1 bbl FW-14.5			
		bbls disp.-sting out-3.5 bbls disp.)(Cmt: 35sxs below/25sxs on			
		top)			
1:30 PM	3:10 PM	Lay down 105 jts-TOOH 32 stands			
3:10	4:45	Ru WL-RIH & shoot 4 holes @2100'-POOH-establish circ. up			
		both 9 5/8" & 13 3/8" csg-RIH with 7" CICR & set @2050'-POOH			
		RIH & shoot 4 hole @100'-Rd WL			
4:45	5:15	Shut well in-secure equip. & location-fill up cementer			
5:15	6:00	Travel			
Comments: TIH with stinger-pump 70sxs cmt-lay down all tbg-Rd floor-Nd BOP-Nu WH-Rig down-move equip. away from well-start moving some of the equip. to the new location			Comments:		

District Mangers Signature:



**Company Name:** Merit Energy  
**AFE or Project #:** \_\_\_\_\_  
**Well Name:** ARE W20-04  
**RIG #:** 23  
**Tool Pusher:** Darie Roehm  
**Operator:** Tony Hernandez  
**Rig Hand:** Armando Lopez  
**Rig Hand:** Mike Schroyer  
**Rig Hand:** Robert Shelton  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren  
**Projected Days:** \_\_\_\_\_

**Date:** 1/20/2015  
**Days on Well:** \_\_\_\_\_  
**Range:** 8E

**Section:** 20 **Township:** 4N

Hours	Per-diem
13	yes
13	yes
13	yes
13	yes
13	yes

**Tool Pusher Cell:** (970)250-0321  
**Company Man Cell:** (307)679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
5:30 AM	6:30 AM	Travel			
6:30 AM	7:00 AM	JSA meeting			
7:00 AM	7:30 AM	Start & warm up equip.			
7:30 AM	9:30 AM	TIH with stinger on bottom of tbg-tag CICR @2050'-space out-			
		Ru cmt equip.			
9:30 AM	10:30 AM	Pump cmt (1 bbl FW-68sxs/13.6 bbls cmt-1 bbl FW-1.6 bbls disp.			
		shut 13 3/8" valve & open 9 5/8"-3 bbls disp.-shut 9 5/8" and			
		open 7"-sting out-1.5 bbls disp.)(Cmt: 31sxs inside 13 3/8"-15sxs			
		inside 9 5/8" & 12sxs on top of CICR)			
10:30 AM	12:30 PM	Lay down all tbg-Rd floor-Nd BOP-Nu WH			
12:30 PM	5:15 PM	Rig down-move equip. away from well-fix some of the equip.			
5:15	5:45	Shut well in-secure equip. & location			
5:45	6:30	Travel			
Comments: dig out well-pump surface plug-move some equip. to new location-weld cap & marker onto well			Comments:		

**District Mangers Signature:** \_\_\_\_\_



Company Name: Merit Energy

AFE or Project #: \_\_\_\_\_

Well Name: ARE W20-04

RIG #: 23

Tool Pusher: Darie Roehm

Operator: Tony Hernandez

Rig Hand: Armando Lopez

Rig Hand: Mike Schroyer

Rig Hand: Robert Shelton

Rig Hand: \_\_\_\_\_

Rig Hand: \_\_\_\_\_

Company Man: Mel Wren

Projected Days: \_\_\_\_\_

Date: 1/21/2015

Days on Well: \_\_\_\_\_

Range: 8E

Section: 20 Township: 4N

Hours	Per-diem
13	yes
13	yes
13	yes
13	yes
13	yes

Tool Pusher Cell: (970)250-0321

Company Man Cell: (307)679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
5:30 AM	6:30 AM	Travel			
6:30 AM	7:00 AM	JSA meeting			
7:00 AM	2:00 PM	Dig out well-prep cmt equip.-move some of the equip. to new location			
2:00 PM	5:15 PM	Pump surface plug (62sxs from 100' to surface inside & out)-cut WH off-weld cap & marker onto well-rack out & prep equip. to move to new location			
5:15 PM	5:45 PM	Secure equip. & location			
5:45 PM	6:30 PM	Travel			
Comments: move equip. to new location-spot in & rig up-Nd WH-Nu BOP			Comments:		

District Mangers Signature: \_\_\_\_\_



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> MERIT ENERGY COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> ANSCHUTZ RANCH EAST
<b>3. ADDRESS OF OPERATOR:</b> 13727 Noel Rd Ste 500 , Dallas, TX, 75240		<b>8. WELL NAME and NUMBER:</b> ARE W20-04
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0702 FNL 0414 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 20 Township: 04.0N Range: 08.0E Meridian: S		<b>9. API NUMBER:</b> 43043302380000
<b>9. FIELD and POOL or WILDCAT:</b> ANSCHUTZ RANCH EAST		<b>COUNTY:</b> SUMMIT
<b>STATE:</b> UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/16/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input checked="" type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">           Merit Energy reclaimed the above referenced well according to the Landowners agreement on 1/16/2016.         </div> <div style="width: 35%; text-align: right;"> <b>Accepted by the              Utah Division of              Oil, Gas and Mining              FOR RECORD ONLY              July 19, 2016</b> </div> </div>		
<b>NAME (PLEASE PRINT)</b> Katherine McClurkan	<b>PHONE NUMBER</b> 972 628-1660	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/11/2016	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE																														
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:																														
2. NAME OF OPERATOR: MERIT ENERGY COMPANY		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST																														
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500, Dallas, TX, 75240		8. WELL NAME and NUMBER: ARE W20-04																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0702 FNL 0414 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 20 Township: 04.0N Range: 08.0E Meridian: S		9. API NUMBER: 43043302380000																														
10. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST		COUNTY: SUMMIT																														
STATE: UTAH																																
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
<b>TYPE OF SUBMISSION</b>  <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/16/2016  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input checked="" type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input checked="" type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Merit Energy reclaimed the above referenced well according to the Landowners agreement on 1/16/2016.   <div style="text-align: center;"> <p>RECEIVED</p> <p>JUL 13 2016</p> <p>DIV. OF OIL, GAS &amp; MINING</p> </div>																																
NAME (PLEASE PRINT) Katherine McClurkan		PHONE NUMBER 972 628-1660																														
SIGNATURE N/A		TITLE Regulatory Analyst																														
DATE 7/11/2016																																



7/13/2016

State of Utah Mail - RE: Final Reclamation



Lisha Cordova <lishacordova@utah.gov>

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## RE: Final Reclamation

1 message

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**McClurkan, Kathy** <Kathy.McClurkan@meritenergy.com>

Wed, Jul 13, 2016 at 10:23 AM

To: Lisha Cordova <lishacordova@utah.gov>

Lisha,

Please find the attached reclamation subsequent sundry for the ARE W20-04. The dirt work was one on 6/16/2015 and seeded on 6/16/2015 .

Merit plans to get with the land owner within a week to see if they will sign a release form reclamation on the 4 wells long overdue. I will let you know by the end of next week if we get the release or time frame to have them reclaimed. I will submit a sundry for an extension on the newer ones. Please let me know if you have any question.

SORRY it has taken so long to get there resolved!!!!

Kathy

**Katherine McClurkan**

972-628-1660

